DECLARATION of REACH COMPLIANCE

Taipei, Taiwan – Mar. 22, 2023

As part of our continuous efforts to safeguard a clean environment, we have been dedicating substantial resources to improving the environmental friendliness of our products. One of our recent foci has been placed upon the compliance of REACH, i.e. Regulation (EC) No. 1907/ 2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals.

Acer Inc. hereby declares that we are committed to taking all necessary stepsto ensure our products comply with the REACH requirements. We will continue to reviewthe Candidate List of Substances of Very High Concern (SVHC) and the Restriction List(Annex XVII) for additions and updates, and will act accordingly in compliance with REACH regulations.

RU Jan
Sr. Manager

Ver. :B5-Mar., 2023

As specified in the table below according to the Candidate list published by ECHA (European Chemical Agency).

#	Substance Name	CAS #	Published Date
1	Anthracene	120-12-7	2008-10-28
2	4,4'- Diaminodiphenylmethane	101-77-9	2008-10-28
3	Dibutyl phthalate	84-74-2	2008-10-28
4	Cobalt dichloride	7646-79-9	2008-10-28
5	Diarsenic pentaoxide	1303-28-2	2008-10-28
6	Diarsenic trioxide	1327-53-3	2008-10-28
7	Sodium dichromate, dihydrate	10588-01-9	2008-10-28
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008-10-28
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	2008-10-28
10	Hexabromocyclododecane (HBCDD)	3194-55-6	2008-10-28
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008-10-28
12	Bis(tributyltin) oxide,hexabutyldistannoxane	56-35-9	2008-10-28
13	Lead hydrogen arsenate	7784-40-9	2008-10-28
14	Triethyl arsenate	15606-95-8	2008-10-28
15	Benzyl butyl phthalate	85-68-7	2008-10-28
16	Anthracene oil	90640-80-5	2010-1-13
17	Anthracene oil, anthracene paste	90640-81-6	2010-1-13
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	2010-1-13
19	Anthracene oil, anthracene paste,distn. lights	91995-17-4	2010-1-13
20	Anthracene oil, anthracene-low	90640-82-7	2010-1-13
21	Pitch, coal tar, high temp.	65996-93-2	2010-1-13
22	Acrylamide	79-06-1	2010-3-30
23	2,4-Dinitrotoluene	121-14-2	2010-1-13
24	Diisobutyl phthalate	84-69-5	2010-1-13
25	Lead chromate	7758-97-6	2010-1-13

#	Substance Name	CAS #	Published Date
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	2010-1-13
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010-1-13
28	Tris(2-chloroethyl)phosphate	115-96-8	2010-1-13
29	Trichloroethylene	79-01-6	2010-6-18
30	Boric acid	10043-35-3	2010-6-18
31	Disodium tetraborate, anhydrous	1330-43-4	2010-6-18
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010-6-18
33	Sodium chromate	7775-11-3	2010-6-18
34	Potassium chromate	7789-00-6	2010-6-18
35	Ammonium dichromate	7789-09-5	2010-6-18
36	Potassium dichromate	7778-50-9	2010-6-18
37	Cobalt(II) sulphate	10124-43-3	2010-12-15
38	Cobalt(II) dinitrate	10141-05-6	2010-12-15
39	Cobalt(II) carbonate	513-79-1	2010-12-15
40	Cobalt(II) diacetate	71-48-7	2010-12-15
41	2-Methoxyethanol	109-86-4	2010-12-15
42	2-Ethoxyethanol	110-80-5	2010-12-15
43	Chromium trioxide	1333-82-0	2010-12-15
44	Acids generated from chromium trioxide and chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2 -	2010-12-15
45	2-Ethoxyethyl acetate	111-15-9	2011-6-20
46	Strontium chromate	7789-06-2	2011-6-20
47	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011-6-20
48	Hydrazine	302-01-2 7803-57-8	2011-6-20

#	Substance Name	CAS #	Published Date
49	1-Methyl-2-pyrrolidone	872-50-4	2011-6-20
50	1,2,3-Trichloropropane	96-18-4	2011-6-20
51	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011-6-20
52	Dichromium tris(chromate)	24613-89-6	2011-12-19
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	2011-12-19
54	Pentazinc chromate octahydroxide	49663-84-5	2011-12-19
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	2011-12-19
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	2011-12-19
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	2011-12-19
58	Bis(2-methoxyethyl) phthalate	117-82-8	2011-12-19
59	2-Methoxyaniline; o-Anisidine	90-04-0	2011-12-19
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	2011-12-19
61	1,2-Dichloroethane	107-06-2	2011-12-19
62	Bis(2-methoxyethyl) ether	111-96-6	2011-12-19
63	Arsenic acid	7778-39-4	2011-12-19
64	Calcium arsenate	7778-44-1	2011-12-19
65	Trilead diarsenate	3687-31-8	2011-12-19
66	N,N-dimethylacetamide (DMAC)	127-19-5	2011-12-19
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	2011-12-19
68	Phenolphthalein	77-09-8	2011-12-19
69	Lead azide Lead diazide	13424-46-9	2011-12-19
70	Lead styphnate	15245-44-0	2011-12-19
71	Lead dipicrate	6477-64-1	2011-12-19

#	Substance Name	CAS #	Published Date
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012-6-18
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012-6-18
74	Diboron trioxide	1303-86-2	2012-6-18
75	Formamide	75-12-7	2012-6-18
76	Lead(II) bis(methanesulfonate)	17570-76-2	2012-6-18
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	2012-6-18
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	2012-6-18
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	2012-6-18
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012-6-18
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	2012-6-18
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	2012-6-18
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	2012-6-18
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	2012-6-18
85	Pyrochlore, antimony lead yellow	8012-00-08	2012-12-19
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	2012-12-19

#	Substance Name	CAS #	Published Date
87	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] *[The individual isomers [2],[3] and [3] (including their cis-and trans- stereo isomeric forms) and all possible combinations of isomers [1] are covered by this entry}]*	25550-51-0 19438-60-9 48122-14-1 57110-29-9	2012-12-19
88	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] *[The individual cis-[2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]*	85-42-7 13149-00-3 14166-21-3	2012-12-19
89	Dibutyltin dichloride (DBTC)	683-18-1	2012-12-19
90	Lead bis(tetrafluoroborate)	13814-96-5	2012-12-19
91	Lead dinitrate	10099-74-8	2012-12-19
92	Silicic acid, lead salt	11120-22-2	2012-12-19
93	4-Aminoazobenzen	60-09-3	2012-12-19
94	Lead titanium zzirconium oxide	12626-81-2	2012-12-19
95	Lead monoxide (lead oxide)	1317-36-8	2012-12-19
96	o-Toluidine	95-53-4	2012-12-19
97	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012-12-19
98	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped *[with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]*	68784-75-8	2012-12-19

#	Substance Name	CAS #	Published Date
99	Trilead bis(carbonate) dihydroxide	1319-46-6	2012-12-19
100	Furan	110-00-9	2012-12-19
101	N,N-dimethylformamide	68-12-2	2012-12-19
102	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	2012-12-19
103	4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chanin with a carbon number of 9 convalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]*	-	2012-12-19
104	4,4'-methylenedi-o-toluidine	838-88-0	2012-12-19
105	Diethyl sulphate	64-67-5	2012-12-19
106	Dimethyl sulphate	77-78-1	2012-12-19
107	Lead oxide sulfate	12036-76-9	2012-12-19
108	Lead titanium trioxide	12060-00-3	2012-12-19
109	Acetic acid, lead salt, basic	51404-69-4	2012-12-19
110	[Phthaato(2-)]dioxotrilead	69011-06-9	2012-12-19
111	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	2012-12-19
112	N-methylacetamide	79-16-3	2012-12-19
113	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	2012-12-19
114	1,2-Diethoxyethane	629-14-1	2012-12-19
115	Tetralead trioxide sulphate	12202-17-4	2012-12-19
116	N-pentyl-isopentylphthalate	776297-69-9	2012-12-19
117	Dioxobis(stearato)trilead	12578-12-0	2012-12-19
118	Tetraethyllead	78-00-2	2012-12-19

#	Substance Name	CAS #	Published Date
119	Pentalead tetraoxide sulphate	12065-90-6	2012-12-19
120	Pentacosafluorotridecanoic acid	72629-94-8	2012-12-19
121	Tricosafluorododecanoic acid	307-55-1	2012-12-19
122	Henicosafluoroundecanoic acid	2058-94-8	2012-12-19
123	Heptacosafluorotetradecanoic acid	376-06-7	2012-12-19
124	1-bromopropane (n-propyl bromide)	106-94-5	2012-12-19
125	Methoxyacetic acid	625-45-6	2012-12-19
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	2012-12-19
127	Methyloxirane (Propylene oxide)	75-56-9	2012-12-19
128	Trilead dioxide phosphonate	12141-20-7	2012-12-19
129	o-aminoazotoluene	97-56-3	2012-12-19
130	1,2-Benzenedicarboxylic acid, dipentylester, branced and linear	84777-06-0	2012-12-19
131	4,4’-oxydianiline and its salts	101-80-4	2012-12-19
132	Orange lead (lead tetroxide)	1314-41-6	2012-12-19
133	Biphenyl-4-ylamine	92-67-1	2012-12-19
134	Diisopentylphthalate	605-50-5	2012-12-19
135	Fatty acids, C16-18, lead salts	91031-62-8	2012-12-19
136	Diazene-1,2-dicarboxamide (C,C’-azodi(formamide))	123-77-3	2012-12-19
137	Sulfurous acid, lead salt, dibasic	62229-08-7	2012-12-19
138	Lead cyanamidate	20837-86-9	2012-12-19
139	Cadmium	7440-43-9	2013-06-20
140	Cadmium oxide	1306-19-0	2013-06-20
141	Ammonium pentadecaflurorooctanote (APFO)	3825-26-1	2013-06-20
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013-06-20
143	Dipentyl phthalate (DPP)	131-18-0	2013-06-20

#	Substance Name	CAS #	Published Date
144	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	2013-06-20
145	Cadmium sulphide	1306-23-6	2013-12-16
146	Dihexyl phthalate	84-75-3	2013-12-16
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	2013-12-16
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	2013-12-16
149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	2013-12-16
150	Lead di(acetate)	301-04-2	2013-12-16
151	Trixylyl phosphate	25155-23-1	2013-12-16
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014/06/16
153	Sodium perborate; perboric acid, sodium salt	-	2014/06/16
154	Sodium peroxometaborate	7632-04-4	2014/06/16
155	Cadmium chloride	10108-64-2	2014/06/16
156	Cadmium fluoride	7790-79-6	2014-12-17
157	Cadmium sulphate	10124-36-4 31119-53-6	2014-12-17

#	Substance Name	CAS #	Published Date
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2014-12-17
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	2014-12-17
160	2-ethylhexyl,10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	2014-12-17
161	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	2014-12-17
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	2015/06/15
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	--	2015/06/15
164	1,3-propanesultone	1120-71-4	2015/12/17
165	2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2-yl)phenol (UV- 327)	3864-99-1	2015/12/17
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)- 6-(sec-butyl)phenol (UV-350)	36437-37-3	2015/12/17
167	Nitrobenzene	98-95-3	2015/12/17
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	2015/12/17

#	Substance Name	CAS #	Published Date
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	2016/06/20
170	4,4'-isopropylidenediphenol	80-05-7	2017/01/12
171	4-Heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB-and well-defined substances which include any of the individual isomers or a combination thereof	--	2017/01/12
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt	335-76-2 3108-42-7 3830-45-3	2017/01/12
173	p-(1,1-dimethylpropyl)phenol = 4-tert-pentylphenol (PTAP)	80-46-6	2017/01/12
174	Perfluorohexane-1-sulphonic acid and its salts	--	2017/07/07
175	Benz[a]anthracene	56-55-3	2018/01/15
176	Cadmium carbonate	513-78-0	2018/01/15
177	Cadmium hydroxide	21041-95-2	2018/01/15
178	Cadmium nitrate	10325-94-7	2018/01/15
179	Chrysene	218-01-9	2018/01/15
180	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	2018/01/15
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	2018/01/15
182	Octamethylcyclotetrasiloxane (D4)	556-67-2	2018/06/07

#	Substance Name	CAS #	Published Date
183	Decamethylcyclopentasiloxane (D5)	541-02-6	2018/06/07
184	Dodecamethylcyclohexasiloxane (D6)	541-02-6	2018/06/07
185	Lead	7439-92-1	2018/06/07
186	Disodium octaborate	12008-41-2	2018/06/07
187	Benzo[ghi]perylene	191-24-2	2018/06/07
188	Terphenyl hydrogenated	61788-32-7	2018/06/07
189	Ethylenediamine (EDA)	107-15-3	2018/06/07
190	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride; TMA)	552-30-7	2018/06/07
191	Dicyclohexyl phthalate (DCHP)	84-61-7	2018/06/07
192	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	239-139-9	2019/1/15
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	2019/1/15
194	Benzo[k]fluoranthene	205-916-6	2019/1/15
195	Fluoranthene	205-912-4	2019/1/15
196	Phenanthrene	201-581-5	2019/1/15
197	Pyrene	204-927-3	2019/1/15
198	2-methoxyethyl acetate	110-49-6	2019/07/16
199	Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	2019/07/16
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combina_ons thereof)	-	2019/07/16
201	4-tert-butylphenol	98-54-4	2019/07/16
202	Diisohexyl phthalate	71850-09-4	2020/1/16
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	2020/1/16

#	Substance Name	CAS #	Published Date
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	2020/1/16
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	2020/1/16
206	1-vinylimidazole	1072-63-5	2020/6/25
207	2-methylimidazole	693-98-1	2020/6/25
208	butyl 4-hydroxybenzoate	94-26-8	2020/6/25
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	2020/6/26
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	2021/1/19
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. Stannane, dioctyl-, bis(coco acyloxy) derivs. Dioctyltin dilaurate	-; -; 91648-39-4; 3648-18-8	2021/1/19
212	1,4-dioxane	123-91-1	2021/7/8
213	(1)2,2-bis(bromomethyl)propane1,3- diol (BMP); (2)2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol(TBNPA); (3)2,3-dibromo-1-propanol (2,3- DBPA)	(1)3296-90-0; (2)36483-57-5/ 1522-92-5; (3)96-13-9	2021/7/8
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers: (2R)-3-(4-tert-butylphenyl)-2- methylpropanal; 2-(4-tert- butylbenzyl)propionaldehyde; (2S)-3-(4-tert-butylphenyl)-2- methylpropanal	75166-31-3; 80-54-6; 75166-30-2	2021/7/8

#	Substance Name	CAS #	Published Date
215	4,4'-(1-methylpropylidene)bisphenol	77-40-7	2021/7/8
216	glutaral	111-30-8	2021/7/8
217	Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17	85535-85-9; 198840-65-2; 1372804-76-6; -	2021/7/8
218	orthoboric acid, sodium salt: boric acid (H3BO3), sodium salt, hydrate; Boric acid (H3BO3), disodium salt; Trisodium orthoborate; Boric acid, sodium salt; Orthoboric acid, sodium salt; Boric acid (H3BO3), sodium salt (1:1)	25747-83-5; 22454-04-2; 14312-40-4; 1333-73-9; 13840-56-7; 14890-53-0	2021/7/8
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP): Phenol, 4-dodecyl, branched ; 4-isododecylphenol ; Phenol, 4-isododecyl- ; Phenol, dodecyl-, branched ; Phenol, (tetrapropenyl) derivatives ; Phenol, tetrapropylene-	210555-94-5; 27459-10-5; 27147-75-7; 121158-58-5; 74499-35-7; 57427-55-1	2021/7/8
220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	1782069-81-1; 95342-41-9; 852541-25-4; 36861-47-9; 741687-98-9; 852541-30-1; 852541-21-0;	2022/1/17

#	Substance Name	CAS #	Published Date
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	2022/1/17
222	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	2022/1/17
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	2022/1/17
224	N-(hydroxymethyl)acrylamide	924-42-5	2022/6/10
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	2023/1/17
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	2023/1/17
227	4,4'-sulphonyldiphenol	80-09-1	2023/1/17
228	Barium diboron tetraoxide	13701-59-2	2023/1/17
229	**bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof:** Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	2023/1/17
230	Isobutyl 4-hydroxybenzoate	4247-02-3	2023/1/17
231	Melamine	108-78-1	2023/1/17
232	Perfluoroheptanoic acid and its salts: Sodium perfluoroheptanoate; Perfluoroheptanoic acid; potassium perfluoroheptanoate; Ammonium perfluoroheptanoate	20109-59-5; 375-85-9; 21049-36-5; 6130-43-4	2023/1/17
233	reaction mass of 2,2,3,3,5,5,6,6- octafluoro-4-(1,1,1,2,3,3,3- heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4- (heptafluoropropyl)morpholine	-	2023/1/17

Erion Energy

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Producer Responsibility

ATTESTATO DI ADESIONE 2023

per la gestione responsabile e sostenibile

dei Rifiuti di Pile e Accumulatori

ACER ITALY SRL
CF. 07951950158

è iscritto per l'anno 2023 a **Erion Energy**
per la corretta gestione dei Rifiuti di Pile e Accumulatori (RPA),
adempiendo così agli obblighi del **Decreto Legislativo 188/08.**

Erion Energy, Sistema Collettivo tra i più autorevoli e
riconosciuti a livello nazionale ed europeo, garantisce per **ACER ITALY SRL** che tali rifiuti
siano gestiti e riciclati in maniera corretta, tracciata
e ambientalmente responsabile, nel rispetto della normativa vigente
e seguendo alti standard europei di qualità.

Milano, 24/03/2023

Laura Castelli
Direttore Generale
Erion Energy

Laura Castelli

Erion Energy

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Producer Responsibility

CERTIFICATE OF REGISTRATION 2023

for responsible and sustainable management

of Waste Batteries and Accumulators

ACER ITALY SRL
TC. 07951950158

is registered for the year 2023 to **Erion Energy**
for a proper management of Waste Batteries and Accumulators,
thus fulfilling the obligations of the Italian **Legislative Decree 188/08.**

Erion Energy, one of the most authoritative collective schemes at national and European level, guarantees for **ACER ITALY SRL**
that such waste is properly managed and recycled, in a traced and environmentally responsible way, in compliance with the current legislation
and following the high European quality standards.

Milano, 24/03/2023

Laura Castelli
Direttore Generale
Erion Energy

Laura Castelli

Erion Weee

erion

Ecodom. Remedia.
Producer Responsibility

ATTESTATO DI ADESIONE 2023

per la gestione responsabile e sostenibile dei RAEE

ACER ITALY SRL
CF. 07951950158

per l'anno 2023 è Socio di **Erion WEEE**
per la gestione e lo smaltimento dei
Rifiuti da Apparecchiature Elettriche ed Elettroniche (RAEE),
adempiendo così agli obblighi del **Decreto Legislativo 49/2014**.

Erion WEEE, Sistema Collettivo tra i più autorevoli e
riconosciuti a livello nazionale ed europeo, garantisce per **ACER ITALY SRL** che tali rifiuti
siano gestiti e riciclati in maniera corretta, tracciata
e ambientalmente responsabile, nel rispetto della normativa vigente
e seguendo alti standard europei di qualità.

Milano, 24/03/2023

Giorgio Arienti
Direttore Generale
Erion WEEE

Erion Weee

erion

Ecodom. Remedia.
Producer Responsibility

CERTIFICATE OF PARTECIPATION 2023

for responsible and sustainable management

of Waste Electrical and Electronical Equipment

ACER ITALY SRL
TC. 07951950158

for the year 2023 is part of **Erion WEEE**
for a proper management of Waste Electrical and Electronical Equipment,
thus fulfilling the obligations of the Italian **Legislative Decree 49/2014.**

Erion WEEE, one of the most authoritative collective schemes at national and European level, guarantees for **ACER ITALY SRL**
that such waste is properly managed and recycled, in a traced and environmentally responsible way, in compliance with the current legislation
and following the high European quality standards.

Milano, 24/03/2023

Giorgio Arienti
Direttore Generale
Erion WEEE

DICHIARAZIONE CE DI CONFORMITÀ

Noi,
Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd., Xizhi,
New Taipei City 221, Taiwan
Referente: Signor RU Jan,e-mail: ru.jan@acer.com

Acer Italy s.r.l.
Viale delle Industrie 1/A, 20020 Arese (MI), Italy
Tel: +39-02-939-921,Fax: +39-02 9399-2913

Prodotto:	Computer notebook
Marchio depositato:	acer
Numero del modello	N20Q11
Numero SKU	R853TA********** (* è “0-9”, “a-z”, “A-Z”, “-“, o vuoto)

Noi, Acer Incorporated, con la presente dichiariamo sotto la nostra respponsabilità che il prodotto descritto in precedenza è conforme con legge di armonizzazione dell'Unione Europea pertinente: Direttiva 2014/53/UE sulle Apparecchiature radio, Direttiva RoHS 2011/65/UE e Direttiva ErP 2009/125/CE. Saranno applicati i seguenti standard armonizzati e/o standard pertinenti:

Compatibilità elettromagnetica (Direttiva 2014/30/UE)		
EN 55032:2015+AC:2016-07	EN 55024: 2010+A1:2015	EN 301 489-1 V2.1.1
EN 301 489-17 V3.1.1	EN 61000-3-2:2014	EN 61000-3-3:2013
Utilizzo dello spetto in radio frequenza (Direttiva 2014/53/UE)		
EN 300 328 V2.1.1	EN 301 893 V2.1.1	
Salute e sicurezza (Direttiva 2014/35/UE)		
EN 62368-1:2014	EN 50566:2013 o EN62311:2008	
RoHS (Direttiva 2011/65/UE)		
EN 50581:2012		
ErP (Direttiva 2009/125/CE)		
(EU) No. 2019/1782; EN 50563:2011	(EC) No. 1275/2008; EN 50564:2011	

Il presente dispositivo contiene apparecchiature radio e deve essere utilizzato a una distanza minima di 0 cm tra radiatore e corpo.

Modello apparecchiatura radio: AX201D2W,

Frequenza di utilizzo e potenza di radiofrequenza sono elencati di seguito

[Bluetooth] 2402-2480MHz < 10 dBm [WLAN] 2412MHz-2462MHz < 20dBm, 5180-5320MHz < 23dBm, 5500-5700MHz < 23dBm

L’anno di inizio applicato è marchiato CE:2021

RU Jan, Sr.Manager 2021-02-09

Nota: aprire il menu [Start] (Start) e cercare ‘Documenti Acer’ per assistenza nell’impostazione di una connessione di rete, l’uso del touchpad e altre informazioni importanti per la salute e la sicurezza.

THE ECO DECLARATION

ecma INTERNATIONAL

Ecma/TC38-TG3/2015/026
(Rev. 1 – 15 April 2015)

Annex B2 - Product environmental attributes
Computers and computer monitors

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	*acer*	**Logo**
Company name *	*Acer Inc*	
Contact information * e-mail address	*Name: RU Jan* *e-mail: RU.Jan@acer.com*	
Internet site *	www.acer.com	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	*Notebook*
Commercial name *	*R853TA*, R853TNA
Model number *	*N20Q11*
Issue date *	*2021-10-22*
Intended market *	☒ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other
Additional information	

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B2

Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:
P4.1 – P4.3 Consumable materials
P9.1 TEC and Print speed
P10.2 - P10.3 Chemical emissions from printing products
P11.1 - P11.3 Consumable materials for printing products.

Model number *	*N20Q11*	**Logo**	acer
Issue date *	*2021-10-22*		

Product environmental attributes - Legal requirements		**Requirement met**		
Item		Yes	No	n.a.
P1	**Hazardous substances and preparations**			
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	☒	☐	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	☒	☐	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	☒	☐	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	☒	☐	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	☒	☐	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 $\mu g/cm^2$/week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	☒	☐	☐
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): *https://www.acer-group.com/sustainability/en/chemical-management-plans.html*	☒	☐	☐
P2	**Batteries**			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	☒	☐	☐
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	☒	☐	☐
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	☒	☐	☐
P3	**Conformity verification & Eco design (ErP)**			
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address): *www.acer.com*	☒	☐	☐
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference).	☒	☐	☐
	Required information is; ☐ given in item P15 or added to this document, ☒ available at (add URL): ***www.acer.com***	☒	☐	☐
P5	**Product packaging**			
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	☒	☐	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	☒	☐	☐
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	☒	☐	☐
P6	**Treatment information**			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	☒	☐	☐

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	N20Q11	Logo	acer
Issue date *	2021-10-22		

Product environmental attributes - Market requirements (See General NOTE GN below) - Environmental conscious design		Requirement met		
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P7	**Design** **Disassembly, recycling**			
P7.1*	Parts that have to be treated separately are easily separable	☒	☐	☐
P7.2*	Plastic materials in covers/housing have no surface coating.	☐	☒	☐
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	☒	☐	☐
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	☒	☐	☐
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	☒	☐	☐
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	☒	☐	☐
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	☐	☒	☐
P7.8*	Upgrading can be done using commonly available tools	☒	☐	☐
P7.9	Spare parts are available after end of production for: years			☐
P7.10	Service is available after end of production for: years			☐
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: ***PC+ABS*** Material type: ***ABS*** Material type:			
P7.12	Insulation materials of external electrical cables are PVC free.	☐	☒	☐
P7.13	Insulation materials of internal electrical cables are PVC free.	☐	☒	☐
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	☒	☐	☐
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all ☐ PCBs > 25 g ☐ are low halogen as defined in IEC 61249-2-21. (See 1NOTE B2)	☐	☒	☐
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking:	☒	☐	☐
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive) ☐, TBBPA (reactive) ☒ (See NOTE B3), Other; chemical name: , CAS #: Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:	☒ ☐	☐ ☒	☐ ☐
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: **Phosphorus**, CAS #: **7723-14-0** (See NOTE B4) 2. Chemical name: **Bisphenol A bisphosphate**, CAS #: **80-05-7** " 3. Chemical name: **Senarmontite**, CAS #: **1309-64-4** " Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:	☒ ☒	☐ ☐	☐ ☐
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements: The source(s) for these classifications is/are found at (add URL(s)): , (See note B5)	☐	☒	☐
P7.20*	Postconsumer recycled plastic material content is used in the product (See Note B6): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is ***19.3176*%**. or b) The weight of recycled material is ***95.4*** g.	☒	☐	☐

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

Model number *	N20Q11	Logo	
Issue date *	2021-10-22		

Product environmental attributes - Market requirements (continued)		Requirement met		
Item		Yes	No	n.a.
	Material and substance requirements (continued)			
P7.21*	Biobased plastic material content is used in the product (See NOTE B7): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %. or b) The weight of the biobased plastic material is g.	☐	☒	☐
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp. If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg	☐	☐	☒
P8	**Batteries**			
P8.1*	Battery chemical composition: ***Lithium***			☐
P9	**Energy consumption (See NOTE B8)**			
P9.1	For the product the following power levels or energy consumptions are reported:			

Energy mode *	Power level at **100** V AC	Power level at **115** V AC	Power level at **230** V AC	Reference/Standard for energy modes and test method *	
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	***0.28***	***0.33***	***0.26***	***ENERGY STAR V8***	
PTEC * Typical Energy Consumption	***1.43*** W	***1.60*** W	***1.45***W	***ENERGY STAR V8***	☐
ETEC * Annual Energy Consumption	***12.49*** kWh/year	***14.00*** kWh/year	***12.715*** kWh/year	***ENERGY STAR V8***	☐
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * : ***VI***					☒
Display resolution * : ***1920*1080*** megapixels					☒
Default time to enter energy save mode: ***10*** minutes					☐

P9.2*	Information about the energy save function is provided with the product.	☒	☐	☐
P9.3	Energy efficiency class (monitors only):			☒

P10	**Emissions**				
	Noise emission – Declared according to ISO 9296 (See NOTE B9)				
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)	Declared A-weighted sound pressure level, L_{pAm} (dB)	
	Idle	* ***Idle***	* ***2.7***	***24.1***	☒
	Operation	* ***HDD Random Seek***	*		☒
	Other mode				
	Measured according to: ☒ ISO 7779 ☐ ECMA-74 ☐ Other (only if not covered by ECMA-74)				

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

NOTE B9 A Guidance document on Acoustic Noise is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

Model number *	*N20Q11*	Logo	
Issue date *	*2021-10-22*		

Product environmental attributes - Market requirements (continued)		Requirement met		
Item		Yes	No	n.a.
	Electromagnetic emissions			
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program(s):	☐	☐	☐
P12	**Ergonomics for computing products**			
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.	☐	☐	☒
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.	☐	☐	☒
P13	**Packaging and documentation**			
P13.1*	Product packaging material type(s): ***Papers*** weight (kg): ***0.7338*** Product packaging material type(s): ***Plastic*** weight (kg): ***0.01908*** Product packaging material type(s): weight (kg):			
P13.2*	Product plastic primary packaging is free from PVC.	☒	☐	☐
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: ***90.74***%			☐
P13.4*	Specify media for user and product documentation (tick box): Electronic ☒, Paper ☒, Other ☐			☐
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify:	☒	☐	
	Totally chlorine-free	☐		
	Elemental chlorine-free	☒		
	Processed chlorine-free	☒		
P14	**Voluntary programs**			
P14.1	The product meets the requirements of the following voluntary program(s):			
	ENERGY STAR® Criteria version: ***8*** Date: ***2021/1/14*** Product category: ***Notebook***			
	Eco-label: Criteria version: Date: Product category:			
	Eco-label: Criteria version: Date: Product category:			
P15	**Additional information (See NOTE B10)**			
P9	***Energy consumption of computer products; description of the tested product configuration:***			

NOTE B10 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1
Regulation (EC) 1907/2006(REACH, Annex XVII	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation（EC）No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1

BUREAU VERITAS
Certification

ACER INCORPORATED

8F., NO.88, SEC.1, XINTAI 5TH RD., XIZHI, NEW TAIPEI CITY 221, TAIWAN

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

1. IT PRODUCTS BUSINESS, DIGITAL DISPLAY BUSINESS, SERVER PRODUCTS BUSINESS: DESIGN, MANUFACTURING, AND SUPPLY CHAIN MANAGEMENT, SALE, MARKETING AND SERVICE OF NOTEBOOKS, DESKTOPS, ALL-IN-ONE PCS, TABLET PCS, COMPUTER PERIPHERAL PRODUCTS, DISPLAYS, PROJECTORS, WORKSTATIONS, THIN CLIENTS, STORAGE SYSTEMS, AND SERVERS UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, PACKARD BELL®, AND ALTOS®.
2. CUSTOMER SERVICE, PRODUCT REPAIR, REPAIR PART SUPPORT, AND IT OUTSOURCING MANAGEMENT OF IT PRODUCTS, DIGITAL DISPLAY, AND SERVER PRODUCTS.
3. MANUFACTURE, PROCESSING, ASSEMBLY, TEST, PACKAGE, AND REPAIR OF ALL IN ONE COMPUTERS, CYCLING COMPUTERS, SMART WEARABLE DEVICES, APPLIED COMPUTING, ELECTRONIC DEVICES OF PET AND RELATED PERIPHERAL PRODUCTS.

Original cycle start date:	**29-November-2002**
Expiry date of previous cycle:	**NA**
Certification / Recertification Audit date:	**NA**
Certification / Recertification cycle start date:	**02-November-2020**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **01-November-2023**

Certificate No.: TWN4579327Q/E *Version:* ***02*** *Revision date:* ***29-October-2021***

UKAS MANAGEMENT SYSTEMS
0008

Certification body address: ***5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom***
Local office: ***3F-B, No.16, Nanjing E. Rd., Sec.4, Songshan District, Taipei 10553, Taiwan***

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check this certificate validity please call: **+886 2 2570 7655**

BUREAU VERITAS
Certification

ACER INCORPORATED

ISO 9001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
HEAD OFFICE	8F., NO.88, SEC.1, XINTAI 5TH RD., XIZHI, NEW TAIPEI CITY 221, TAIWAN	IT PRODUCTS BUSINESS, DIGITAL DISPLAY BUSINESS, SERVER PRODUCTS BUSINESS: DESIGN, MANUFACTURING, AND SUPPLY CHAIN MANAGEMENT, SALE, MARKETING AND SERVICE OF NOTEBOOKS, DESKTOPS, ALL-IN-ONE PCS, TABLET PCS, COMPUTER PERIPHERAL PRODUCTS, DISPLAYS, PROJECTORS, WORKSTATIONS, THIN CLIENTS, STORAGE SYSTEMS, AND SERVERS UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, PACKARD BELL®, AND ALTOS®.
HIGHPOINT SERVICE NETWORK CORPORATION	7F., NO.88, SEC.1, XINTAI 5TH RD., XIZHI, NEW TAIPEI CITY 221, TAIWAN	CUSTOMER SERVICE, PRODUCT REPAIR, REPAIR PART SUPPORT, AND IT OUTSOURCING MANAGEMENT OF IT PRODUCTS, DIGITAL DISPLAY, AND SERVER PRODUCTS.
ACER GADGET INC.	6F., NO. 125, WUGONG RD., WUGU DIST., NEW TAIPEI CITY 248, TAIWAN R.O.C.	MANUFACTURE, PROCESSING, ASSEMBLY, TEST, PACKAGE, AND REPAIR OF ALL IN ONE COMPUTERS, CYCLING COMPUTERS, SMART WEARABLE DEVICES, APPLIED COMPUTING, ELECTRONIC DEVICES OF PET AND RELATED PERIPHERAL PRODUCTS.

Certificate No.: TWN4579327Q/E *Version: 02* *Revision date:* ***29-October-2021***

UKAS MANAGEMENT SYSTEMS
0008

Certification body address: 5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom
Local office: ***3F-B, No.16, Nanjing E. Rd., Sec.4, Songshan District, Taipei 10553, Taiwan***

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check *this* certificate validity please call: **+886 2 2570 7655**

Bureau Veritas Certification

ACER INCORPORATED

NO. 88, SEC. 1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 14001:2015

Scope of certification

DESIGN, ASSEMBLY, SALES, MARKETING AND SERVICE OF THE INFORMATION COMMUNICATION TECHNOLOGY (ICT) RELATED PRODUCTS AND SERVICE UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, AND PACKARD BELL® BRANDS.

Original cycle start date:	25-02-2003
Expiry date of previous cycle:	31-10-2020
Certification / Recertification Audit date:	04-09-2020
Certification / Recertification cycle start date:	01-11-2020
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:	31-10-2023

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS
0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

Bureau Veritas Certification

ACER INCORPORATED

ISO 14001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
XIZHI OFFICE	NO.88, SEC.1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN	DESIGN, SALES, MARKETING AND SERVICE OF THE INFORMATION COMMUNICATION TECHNOLOGY (ICT) RELATED PRODUCTS AND SERVICE UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, AND PACKARD BELL® BRANDS.
ACER CYBER SECURITY INC.	8F., NO. 563, SEC. 4, ZHONGXIAO E. RD., XINYI DIST., TAIPEI CITY 110, TAIWAN	PROVISION OF INFORMATION SECURITY TECHNICAL SERVICE.
ACER E-ENABLING SERVICE BUSINESS INC.	9, 10F., NO. 6, SEC. 4, XINYI RD., DAAN DIST., TAIPEI CITY 106, TAIWAN	SALES OF HARDWARE AND SOFTWARE FOR ENTERPRISES, AND PROVISION OF TECHNICAL SERVICE OF APPLICATION DEVELOPMENT, SYSTEM INTEGRATION AND CLOUD SERVICE.
ACER E-ENABLING SERVICE BUSINESS INC. KAOHSIUNG OFFICE	22F.-1, NO. 366, BOAI 2ND RD., ZUOYING DIST., KAOHSIUNG CITY 813, TAIWAN	

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS

0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

Bureau Veritas Certification

ACER INCORPORATED

ISO 14001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
ACER E-ENABLING SERVICE BUSINESS INC. TAICHUNG OFFICE	21F.-6, NO. 201, SEC. 2, WENXIN RD., XITUN DIST., TAICHUNG CITY 407, TAIWAN	SALES OF HARDWARE AND SOFTWARE FOR ENTERPRISES, AND PROVISION OF TECHNICAL SERVICE OF APPLICATION DEVELOPMENT, SYSTEM INTEGRATION AND CLOUD SERVICE.
ACER E-ENABLING SERVICE BUSINESS INC. XHI-JI OFFICE	24F., (ACER BUILDING), NO.88, SEC.1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN	
ACER SYNERGY TECH CORP.	7F.-10, NO. 8, ZIQIANG S. RD., ZHUBEI CITY, HSINCHU COUNTY 302, TAIWAN	SALES OF ELECTRONIC AND COMMUNICATION DEVICES AND COMPONENTS.
FUXING OFFICE (SHAREHOLDERS SERVICE OFFICE)	7F.-5, NO. 369, FUXING N. ROAD, SONGSHAN DIST., TAIPEI CITY 105, TAIWAN	ADMINISTRATIVE SUPPORT ACTIVITIES: SHAREHOLDER SERVICE.
GUANGHUA SERVICE CENTER	1, 2F., NO. 54, SEC. 2, ZHONGXIAO E. RD., ZHONGZHENG DIST., TAIPEI CITY 100, TAIWAN	PROVISION OF ICT PRODUCTS AFTER SERVICE.

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS

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Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

Bureau Veritas Certification

ACER INCORPORATED

ISO 14001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
KAOHSIUNG SERVICE CENTER	1, 2F., NO. 595, JIURU 2ND RD., SANMIN DIST., KAOHSIUNG CITY 807, TAIWAN	PROVISION OF ICT PRODUCTS AFTER SERVICE.
SONGXIN SERVICE CENTER	1F., NO. 163, SONGXIN RD., XINYI DIST., TAIPEI CITY 110, TAIWAN	
TAOYUAN SERVICE CENTER	NO. 215, SEC. 2, ZHONGYANG W. RD., ZHONGLI DIST., TAOYUAN CITY 320, TAIWAN	
HIGHPOINT SERVICE NETWORK CORPORATION	7F., (ACER BUILDING), NO.88, SEC.1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN	PROVISION OF ICT RELATED PRODUCTS REPAIR SERVICE.
ISU SERVICE CORP.	7F.-10, NO. 8, ZIQIANG S. RD., ZHUBEI CITY, HSINCHU COUNTY 302, TAIWAN	PROVISION OF CONSULTANCY AND TECHNICAL SERVICE OF ICT PRODUCTS SYSTEM INTEGRATION.

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS
0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

BUREAU VERITAS

Bureau Veritas Certification

ACER INCORPORATED

ISO 14001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
SOUTH OFFICE	4F.-4, 6, NO. 38, XINGUANG RD., LINGYA DIST., KAOHSIUNG CITY 802, TAIWAN	SALES AND PROVISION OF ICT PRODUCTS AFTER SERVICE.
TAICHUNG BRANCH OFFICE AND TAICHUNG SERVICE CENTER	1F., NO. 371, SEC. 1, WENXIN RD., NANTUN DIST., TAICHUNG CITY 408, TAIWAN	
TAOYUAN DISTRIBUTION CENTER	1, 2F., NO. 28, NEIXIN RD., LUZHU DIST., TAOYUAN CITY 338, TAIWAN	ASSEMBLY AND WAREHOUSE CENTER OF THE INFORMATION COMMUNICATION TECHNOLOGY (ICT) RELATED PRODUCTS UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, AND PACKARD BELL® BRANDS.
XINYI OFFICE	11F.-1, NO. 176, SEC. 1, KEELUNG RD., XINYI DIST., TAIPEI CITY 110, TAIWAN	PROVISION OF TECHNICAL SERVICE OF CLOUD SERVICE.

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS

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Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

Energy Star Test Report	Document No.	QCI-QR02
	Report No.	2020ES-ZDE2-001

DATA PACKAGE INFORMATION SHEET

Applicant Information	**Name**	Acer Incorporated
	Address	8F, 88, SEC. 1, XINTAI 5TH RD.XIZHI, NEW TAIPEI CITY 221 TAIWAN, R.O.C

Product Information	**Standard(s)**	☒ Energy Star Program Requirements for Computers: Version 8.0
		☒ IEC 62301 Household electrical appliances – Measurement of standby power IEC 62623 Desktop and Notebook Computers – Measurement of Energy Consumption
	Product Name/Type	Notebook Computer
	Model Name	N19Q10
	Model Number	CP311-3H

Test Location Information	**Test Location Name/Address**	Quanta Safety Laboratory No.211, Wenhua 2nd Rd., Guishan Dist., Taoyuan City, Taiwan
	Tests Conducted By	**Sign** Sam Chiou
		Print Sam Chiou
		Date : 2020-05-18
	Authorized Signatory Reviewer	**Sign** Ian Lee
		Print Ian Lee
		Date 2020-05-20

~~**Differences between test methods**~~	~~All Models are similar except for Model designation, Rating, CPU type and RAM capacity, Storage capacity~~
Advice and interpretation	N/A
Comment	N/A
This test result is only applicable to the test samples **This test result judges that it does not include the contribution value of the measurement uncertainty of the measurement equipment.**	

RESULT	PASS

List of Test

Summary of Results

Identification	Description
UUT Preparation for All Products	The power management features ☒ meet ☐ does not meet the requirements outlined in Table 3* provided in this data sheet package.

* Energy Star Program Requirements for Computers: Version 8.0

Additional Information

Project Information	Description of New Project or Description of change(s)
☒ New Project	Category 2
☐ Update Project, U1	
☐ Update Project, U2	
☐	

Test Sample Identification

The table below is to provide correlation of sample numbers to specific product related information. Refer to this table when a test identifies a test sample by "Sample No." only.

Sample Number	Sample Card Number	Date Received	Manufacturer, Product Identification, Serial Number and Ratings
1	ZDE-T-01	2020-05-13	Acer Incorporated Notebook Computer Model : N19Q10 Rating : 15.0Vdc, 3.0A
2	ZDE-A-01	2020-05-13	LITE-ON TECHNOLOGY CORPORATION Model : PA-1450-50 Rating : 5.0 / 9.0/15.0Vdc ,3.0A /20.0Vdc, 2.25A

Test Instruments Reference List

Item	Equipment name	Manufacturer name Model name	Serial Number	Range	Calibration (y-m-d)	Next Calibration (y-m-d)
1	AC SOURCE	CHROMA 61502	990800285	100~300 Vac , 50-60,400Hz , 5A, 500W	2019-11-08	2020-11-07
2	Power Meter	YOKOGAWA WT210	990800282	600 V, 20A, 1mW-5KW 0.1%~5.0% 0.5mWh~1.5 kWh	2019-10-24	2020-10-23
3	Wire Speed Meter	TECPEL AVM-714	990105627	0.2~10(m/sec)	2019-05-28	2020-05-29
4	TIMER	CASIO HS-3V	Q11920002 (710Q03R)	Full Range	2019-05-30	2020-05-29
5	Thermo Recorder	T & D TR-73U	Q10020098	20-28 degree C ,10-80 % , 1000hPa	2019-09-7	2020-09-26
6	LMD	KONICA MINOLTA LS-100	Q12180006 990800395 (20334017)	5.00-2000 cd/m^2	2019-12-31	2020-12-30

Product Reference Page

Model name	N19Q10		
Model number	CP311-3H		
~~**Model Differences**~~	~~All Models are similar except for Model designation, Rating, CPU type and RAM capacity, Storage capacity~~		
Electrical Ratings	**Voltage**	☐**Vac** ☒**Vdc**	15.0
	Current	☒**A** ☐**mA**	3.0
	Power	☒**W**	45.0

Product Reference Page (con't)
Below Configuration is considered as representative Power consumption for this application.

Unit Configuration	Comments	
Product Classification /Product Category	☐ ~~Desktop Computer~~	☐ ~~I1~~ ☐ ~~I2~~ ☐ ~~D1~~ ☐ ~~D2~~
	☐ ~~Integrated Desktop Computer~~	☐ ~~1~~ ☐ ~~2~~
	☐ Slates/ Tablets ☒ Notebook Computer ☐ Two-In-One Notebook ☐ Portable All-In-One Computer ☐ Mobile Workstation	☐ 0 ☐ 1 ☒ 2
Processor Brand / Model	Mediatek MT8183	
Number of physical CPU cores	8	
Processor Speed per Core (GHz)	2.0	
Main Display Specification	Screen resolution(r)= 1.049 megapixels Viewable Screen(A)= 57.163 square inches Enhanced-performance Integrated Displays: ☐ Yes ☒ N/A	
~~Additional Display Specification~~	~~2nd Display screen resolution(r)= _____ megapixels~~ ~~2nd Display viewable Screen(A)= _____ square inches~~ ~~Enhanced-performance Integrated Displays: ☐ Yes ☐ N/A~~	
Operating System	Chrome OS	
Primary Storage Device (OS Storage)	Storage Type: eMMC Total Capacity(GB): 32	
~~Additional Internal Storage(s)~~	~~2nd Storage Type: _____ Total Capacity(GB): _____~~	
Total System Memory (GB)	4	
Number of DIMMs Installed	1 (onboard)	
GPU Brand/Model:	NA	
GPU Type	☒ Integrated(iGfx) ☐ Discrete(dGfx) ☐ Switchable	
~~Graphics Frame Buffer Bandwidth (GB/s)/Frame Buffer Data width (bits)~~	~~NA~~	
~~Ethernet Capable System (Mbps)~~	~~NA~~	
Bluetooth	☒ Enabled ☐ Disabled ☐ N/A	
Energy Efficient Ethernet	☐ Yes ☐ No ☒ WIFI Only	
WOL Enabled from Sleep	☐ Enabled ☐ Disabled ☒ N/A	
WOL Enable from Off	☐ Enabled ☐ Disabled ☒ N/A	
Mode Weightings	☒ Conventional	
	☐ ~~Full Network Connectivity:~~ ~~Remark: _____~~	
Other	LCD : 11.6”	

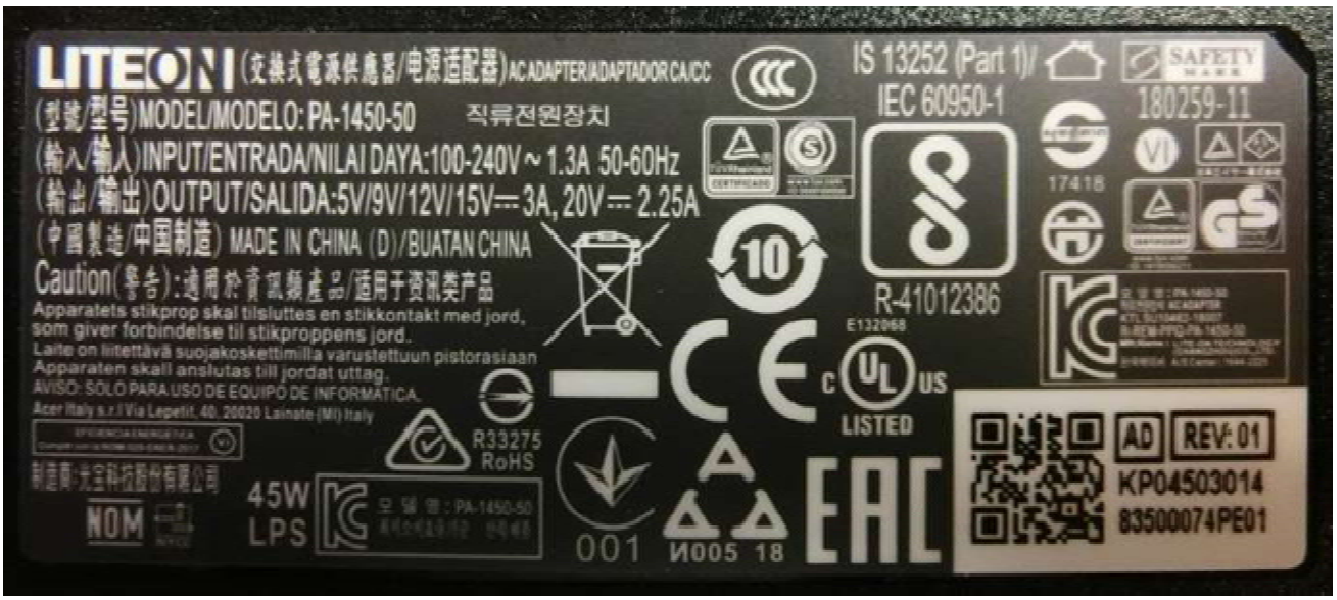
Power Supply Reference Page

Product Type	☐ **Internal**	☒ **External**
Manufacturer	LITE-ON TECHNOLOGY CORPORATION	
Brand Name	LITE-ON	
Model Number/Designation	PA-1450-50	
Nameplate Rating	**Input**	100-240Vac, 1.3A, 50-60Hz
	Output	5.0/9.0/15.0Vdc ,3.0A ,20.0Vdc, 2.25A
Other		

☐ The internal power supply shall meet the applicable requirements from Table 1*, Table 2* of ENERGY STAR Product Specification for Computers provided in this data sheet package. See separate data sheet package for the internal power supply testing.
* Energy Star Program Requirements for Computers: Version 8.0

☒ The single output voltage external power supply shall meet the level VI performance requirements under the International Efficiency Marking Protocol and include the level VI marking.

☐ The Multi-output voltage external power supply shall meet the level VI performance requirements under the International Efficiency Marking Protocol and when tested according to the Uniform Test Method for Measuring the Energy Consumption of External Power Supplies, Appendix Z to 10 CFR Part 430.



User Information Requirement

Based on the informational materials shipped with the product, please confirm the following:

Requirement	Yes, N/A	
(1) A description of power management settings that have been enabled by default,	☒ Yes	☐ NA
(2) A description of the timing settings for various power management features, and	☒ Yes	☐ NA
(3) Instructions for properly waking the product from Sleep Mode.	☒ Yes	☐ NA
The information materials shipped with the product that contains the above information (1-3) have been reviewed and stored in eCommunications.	☒ Yes	☐ NA

Please confirm that the products are shipped with one or more of the following:

Requirement	Yes, N/A	
(1) A listed of default power management settings.	☒ Yes	☐ NA
(2) A note stating that default power management settings have been selected for compliance with ENERGY STAR (Sleep/Alternative Low Power Mode shall be set to activate after no more than 30 minutes of user inactivity. Display Sleep Mode shall be set to activate after no more than 15 minutes of user inactivity. if applicable per Table 3*), and are recommended by the ENERGY STAR program for optimal energy savings.	☒ Yes	☐ NA
(3) Information about ENERGY STAR and the benefits of power management, to be located at or near the beginning of the hard copy or electronic user manual, or in a package or box insert.	☒ Yes	☐ NA
The information materials shipped with the product that contains the above information (1-3) have been reviewed and stored in eCommunications.	☒ Yes	☐ NA

* Energy Star Program Requirements for Computers: Version 8.0

UUT Preparation for all Products

Ensure that the EUT is configured “as shipped” (unless otherwise stated in this test procedure) including all hardware accessories and software shipped by default. EUT shall also be configured using the following requirements for all tests:

Slates/Tablets shall be configured in a manner identical to Notebooks unless otherwise specified. Portable All-In-One Computers shall be configured in a manner identical to Integrated Desktops unless otherwise specified

☐ Desktop and integrated desktop computers shipped without accessories shall be configured with a standard mouse and keyboard. No other external peripherals shall be connected

☐ Desktop computers shall be configured with an external computer display (the external display energy consumption is not included as part of the TEC calculation).

☒ Notebook computers need not include a separate keyboard or mouse when equipped with an integrated pointing device or digitizer.

☒ Notebook computers shall be connected to the mains power source using the EPS shipped with the product. Battery pack(s) shall be removed for all tests. For EUT where operation without a battery pack is not a supported configuration, the test shall be performed with fully charged battery pack(s) installed, making sure to report this configuration in the test results.

☐ For non-integrated displays, the screen shall be configured with a “desktop background” (wallpaper) of a solid colour defined by a bitmap set to the RGB values of 130, 130, and 130. The screen brightness shall be set as shipped or to a specified luminance level condition as appropriate.

☒ The sleep timer of the EUT shall be disabled or set to 30 minutes to prevent the EUT from entering the sleep state during the idle or active tests.

☐ Desktops, Integrated Desktops, Notebook Computers, Portable All-In-One Computers , and Slates/Tablets shall be tested for Idle, Sleep, and Off Mode with Full Network Connectivity (“Proxying”) features using the as shipped setting.

☐ Wake on LAN (WoL) settings shall be in as shipped condition for testing Sleep Mode and Off Mode.

☐ Thin Clients, shall be configured in a manner identical to Desktops (non-integrated). Thin Clients shall run intended terminal/remote connection software during all relevant tests.

☒ Celluar network connections shall be disabled for testing. Additionally, Bluetooth should be left as-shipped

For sleep, long idle, short idle and the optional active measurements, the EUT energy consumption shall be measured with network connectivity in one of the two states described below.

☐ For EUT with Ethernet support, the EUT shall be connected to an active network switch which supports the highest link speed supported by the EUT (the network switch does not need to be connected to a live network). Only a single network connection needs to be made in the case of a EUT with multiple network connections. It shall also support the minimum requirements needed to support additional power management functions that are supported by the EUT. As an example, the IEEE 802.3az specification supports power management of Ethernet links which must be supported by both the EUT and network switch, to test this function the switch shall also support this function. Power to alternative network devices such as wireless radios shall be turned off for all tests. This applies to wireless network adapters (e.g., 802.11) or device-to-device wireless protocols (e.g. Bluetooth).

☒ For EUT that do not support Ethernet, but support some other sort of network connectivity, that network shall be turned on and be in a connected state. A live wireless connection to a wireless router or network access point, which supports the highest and lowest data speeds of the client radio, shall be maintained for the duration of testing.

Note: As shipped is defined as the configuration as it leaves the manufacturer.

☒ Preparing Display Luminance of Notebooks, Integrated Desktops, and Slates/ Tables.

(A) Before performing any tests, **disable** display dimming, display sleep mode, computer sleep mode, and automatic brightness control (ABC) in the computer settings. Document all settings that were changed from the default configuration.

☐ If ABC cannot be disabled, position a light source so that at least 300 lux directly enters the ABC sensor.

Light Source Mfr. / Type	Distance to ABC (mm)	Ambient (lux)

(B) Display the **three vertical bar video signal** as defined in section 3.2.1.3 of IEC 60107-1 Edition 3 (IEC60107-1 ed. 3.0, 1997), Methods of measurement on receivers for television broadcast transmissions – Part 1: General conditions – Measurements at radio and video frequencies, Edition 3.0, 1997 (IEC 60107-1 Ed. 3.0, 1997). The three bar image shall be configured using the default image display application.

(C) Devices with a cold cathode fluorescent lamp (CCFL) backlight shall warm-up for at least 30 minutes. All other displays shall warm-up for at least 5 minutes.

(D) With the LMD, measures the luminance in the center of the display.

(E) Calibrate the UUT display brightness to the closest brightness setting that is at least **90cd/m^2** for Notebook Computers and at least **150cd/m^2** for Integrated Desktop Computers, Portable All-In-One Computer and Slates/ Tablets. If the UUT's brightest setting cannot achieve the specified brightness, then set the UUT display to the brightest setting.

☒ The display brightness setting does not need to be exactly 90/150 cd/m^2, but it shall be as close as possible while still being over 90/150 cd/m^2.

Display	Size	Adjust brightness setting (cd/m^2)	Brightness Reading of Unit
Main Display	11.6	105.1	Level 10
~~2nd Display~~	~~NA~~	~~NA~~	~~NA~~

(F) The display shall be configured with the ENERGY STAR test image, which can be found the **below website.** https://www.energystar.gov/ia/partners/images/ComputerTestingImage.bmp For Desktops, Integrated Desktops, Notebook Computers and Portable All-In-One Computers it may be set as the “desktop background” (wallpaper) or shown via an image display application. The image shall be scaled to completely fill the display area. For Slates/Tablets, the display shall be configured with the default image display application. For Desktops, Integrated Desktops, Notebook Computers and Portable All-In-One Computers it may be set as the “desktop background” (wallpaper) or shown via an image display application. The image shall be scaled to completely fill the display area. For Slates/Tablets, the display shall be configured with the default image display application.

(G) Optional setting for units with multiple integrated displays. Configure all displays in the same way using the previous steps. The displays do not have to be configured sequentially (i.e. warmup times can be done simultaneously for all displays). For notebook computers, all displays must be set to the closest brightness setting that is at least 90 cd/m2 for every display. For Integrated Desktop Computers, Portable All-In-One Computers and Slates/Tablets, all displays must be set to the closest brightness setting that is at least 150 cd/m2 for every display.

(H) For all testing specified in Section 6*, the UUT shall not be rebooted or restarted until after the power measurements for Long Idle Mode and Short Idle Mode tests are taken.

(I) Slate/Tablet and Portable All-In-One Computers shall be tested with a docking station only if it is shipped with the product and is the only way to power the device mains.

* Energy Star Program Requirements for Computers: Version 8.0

☐ Display Connection Priority

If the UUT has a port that supports switchable graphics capable of automatic switching, use that port.

- If a discrete GPU is installed, connect to that GPU, except for where it conflicts with Section 5.3 (A)(1) * in this test method.

- If no discrete or automatically switchable GPU is installed, choose a connection to an integrated GPU.

- If multiple ports meet the requirements in Section 5.3 (A)(1) * to 5.3 (A)(3) * of this test method, test with the first available interface from the list below.

External Display Connection Priority	
i.	DisplayPort
ii.	HDMI
iii.	DVI
iv.	VGA
v.	Other (i.e. Thunderbolt 3, Composite Video, etc.)

Display Resolution: An external monitor used in the testing of the UUT shall have a minimum native resolution of 1920 X 1080 pixels with progressive scanning (1080p). The UUT operating system shall be set to operate at a minimum of 1080p.

* Energy Star Program Requirements for Computers: Version 8.0

Power Management Requirements

Mode	Requirement	Yes, N/A	
Sleep Mode Sleep/ Alternative Low Power Mode	(1) Sleep Model shall be set to activate after no more than 30 minutes of user inactivity. (2) The speed of any active 1 Gb/s Ethernet network links shall be reduced when transitioning to Sleep Mode or Off Mode. Or the links shall enter Energy Efficient Ethernet state when transitioning to Alternative Low Power Mode	☒ Yes	☐ NA
Display Sleep Mode	(1) Display Sleep Mode shall be set to activate after no more than 15 minutes of user inactivity.	☒ Yes	☐ NA
Wake on LAN (WOL)	(1) Computers with Ethernet capability shall provide users with an option to enable and disable WOL for Sleep Mode. (2) Computers with Ethernet capability that are shipped through enterprise channels shall either: (a) be shipped with WOL enabled by default for Sleep Mode, when the computer is operating on ac mains power; or (b) provide users with the ability to enable WOL that is accessible from both the client operating system user interface and over the network. Option (b) is not permitted for systems that use WOL in order to meet the definition of Full Network Connectivity to claim the Full Capability mode weighting.	☐ Yes	☒ NA
Wake Management	(1) Computers with Ethernet capability that are shipped through enterprise channels shall either: (a) be capable of both remote (via network) and scheduled (via real-time clock) wake events from Sleep Mode, and (b) provide clients with the ability to centrally manage (via vendor tools) any wake management settings that are configured through hardware settings if the manufacturer has control over such features.	☐ Yes	☒ NA
Resume Time Requirement	Partner self-declaration: Notebook computers wake from sleep or an alternative low power mode with a latency of less than or equal to 5 seconds from initiation of wake event to system becoming fully usable including rendering of display. Desktop and Integrated Desktop Computers wake from sleep or an alternative low power mode with a latency of less than or equal to 10 seconds.	☒ Yes	☐ NA

☒ The power management features ☒ meet ☐ does not meet the requirements outlined in Table 3* provided in this data sheet package.

Note: Product was not sold or shipped through enterprise channels.

* Energy Star Program Requirements for Computers: Version 8.0

Tester/Signature	Sam Chiou	Reviewer/Signature		Ian Lee	
Sample #	1,2	Equipment#		1, 2, 3, 4, 5, 6	
Test date	2020-05-18	Temp. (℃)	22.4	Humidity (%Rh)	64.0
Test Result: ☒ Inside lab (Safety Lab.) ☐ ~~Outside lab,~~					

Off Mode Power Consumption Test

☒ Accumulate power values for 5 additional minutes and record the watt-hour value observed during that 5-minute period using both the "Wh" and time functions on the input meter. The average power consumed over that time period was then calculated.

☐ UUT exhibits cycling behavior and the normal measurement time would not capture one or more complete cycles, measure the off mode measurement using an extended measurement capturing one or more full cycles per IEC 62301, section B.2.3.

WIND SPEED: ＜0.2 m/sec

Required		Measured						
Vac	Hz	V	Hz	THD %	A	Wh	Wh Integration / Avg. time, min	P_{OFF}, WATTS**
115	60	115.51	59.97	0.25	0.054	0.015	5	0.180
230	50	230.87	49.97	0.30	0.080	0.018	5	0.216
100	50	100.36	49.97	0.25	0.048	0.015	5	0.180
100	60	100.45	59.98	0.25	0.050	0.015	5	0.180

** If watt-hour value observed during that 5-minute period use, result calculated by the following equation:
Avg. Power (Watts) = (Wh X 60 minutes/hr)/(Wh Interval, minutes)

Supplemental Information:
☐ Other:

Tester/Signature	Sam Chiou	Reviewer/Signature		Ian Lee	
Sample #	1,2	Equipment#		1, 2, 3, 4, 5, 6	
Test date	2020-05-18	Temp. (℃)	22.4	Humidity (%Rh)	64.0
Test Result: ☒ Inside lab (Safety Lab.) ☐ ~~Outside lab,~~					

Long Idle Mode Power Consumption Test

For Long Idle Mode Testing, the UUT shall be allowed no more than 20 minutes from the point of ceased user input before measurements must be started. If any default settings cause the UUT to enter Long Idle after 20 minutes, begin taking measurements when the UUT has reached the 20 minute mark. Display sleep settings shall be set to default for Long Idle Mode Testing.

☐ For Computers with external computer displays (most desktops), use the computer display power management setting to prevent the display from powering down to ensure it stays on for the full length of the Idle Mode Power Consumption Test as described below.

☒ Accumulate power values for 5 additional minutes and record the watt-hour value observed during that 5-minute period using both the "Wh" and time functions on the input meter. The average power consumed over that time period was then calculated.

☐ UUT exhibits cycling behavior and the normal measurement time would not capture one or more complete cycles, measure the long idle mode measurement using an extended measurement capturing one or more full cycles per IEC 62301, section B.2.3.

WIND SPEED: ＜0.2 m/sec

Required		Measured						
Vac	Hz	V	Hz	THD %	A	Wh	Wh Integration / Avg. time, min	P_{LONG_IDLE}, WATTS**
115	60	115.51	59.97	0.25	0.157	0.177	5	2.124
230	50	230.87	49.97	0.30	0.180	0.241	5	2.892
100	50	100.36	49.97	0.25	0.083	0.189	5	2.268
100	60	100.45	59.98	0.25	0.109	0.190	5	2.280

** If watt-hour value observed during that 5-minute period use, result calculated by the following equation:
Avg. Power (Watts) = (Wh X 60 minutes/hr)/ (Wh Interval, minutes)

Supplemental Information:
☐ Other:

Tester/Signature	Sam Chiou	Reviewer/Signature		Ian Lee	
Sample #	1,2	Equipment#		1, 2, 3, 4, 5, 6	
Test date	2020-05-18	Temp. (℃)	22.4	Humidity (%Rh)	64.0
Test Result: ☒ Inside lab (Safety Lab.) ☐ ~~Outside lab,~~					

Short Idle Mode Power Consumption Test

For Short Idle Mode Testing, the UUT shall be allowed no more than five minutes from the point of ceased user input before measurements must be taken. Display sleep settings shall be disabled for Short Idle Mode Testing. If any other default settings cause the UUT to exit Short Idle during the measurement time, extend the settings so that the UUT remains in short idle for the duration of the measurement.

☐ For Computers with external computer displays (most desktops), use the computer display power management setting to prevent the display from powering down to ensure it stays on for the full length of the Idle Mode Power Consumption Test as described below.

☒ Accumulate power values for 5 additional minutes and record the watt-hour value observed during that 5-minute period using both the "Wh" and time functions on the input meter. The average power consumed over that time period was then calculated.

☐ For notebook computers that demonstrate cyclical battery charging patterns, extend the short idle test long enough to capture the energy consumption over one or more complete cycles. The UUT must remain in short idle during the entire time of the extended test.

WIND SPEED: ＜0.2 m/sec

Required		Measured						
Vac	Hz	V	Hz	THD %	A	Wh	Wh Integration / Avg. time, min	P_{SHORT_IDLE}, WATTS**
115	60	115.51	59.97	0.25	0.175	0.214	5	2.568
230	50	230.87	49.97	0.30	0.185	0.224	5	2.688
100	50	100.36	49.97	0.25	0.162	0.213	5	2.556
100	60	100.45	59.98	0.25	0.170	0.215	5	2.580

** If watt-hour value observed during that 5-minute period use, result calculated by the following equation:
Avg. Power (Watts) = (Wh X 60 minutes/hr)/ (Wh Interval, minutes)

Supplemental Information:
☒ Other: Short Idle Mode by stop Google update

Tester/Signature	Sam Chiou	Reviewer/Signature		Ian Lee	
Sample #	1,2	Equipment#		1, 2, 3, 4, 5, 6	
Test date	2020-05-18	Temp. (℃)	22.4	Humidity (%Rh)	64.0
Test Result: ☒ Inside lab (Safety Lab.) ☐ ~~Outside lab,~~					

Short Idle Mode Power Consumption Additional Testing for Reporting

For Short Idle Mode Testing, the UUT shall be allowed no more than five minutes from the point of ceased user input before measurements must be taken. Display sleep settings shall be disabled for Short Idle Mode Testing. If any other default settings cause the UUT to exit Short Idle during the measurement time, extend the settings so that the UUT remains in short idle for the duration of the measurement.

☐ For Computers with external computer displays (most desktops), use the computer display power management setting to prevent the display from powering down to ensure it stays on for the full length of the Idle Mode Power Consumption Test as described below.

☒ Accumulate power values for 5 additional minutes and record the watt-hour value observed during that 5-minute period using both the "Wh" and time functions on the input meter. The average power consumed over that time period was then calculated.

☒ For Notebook Computers, repeat the Short Idle test with the display brightness set to the closest setting that is at least 150 cd/m^2.

Display	Size	Adjust brightness setting (cd/m^2)	Brightness Reading of Unit
Main Display	11.6	151.4	Level 12
~~2nd Display~~			

☐ For notebook computers that demonstrate cyclical battery charging patterns, extend the short idle test long enough to capture the energy consumption over one or more complete cycles. The UUT must remain in short idle during the entire time of the extended test.

WIND SPEED: < 0.2 m/sec

Required		Measured						
Vac	Hz	V	Hz	THD %	A	Wh	Wh Integration / Avg. time, min	P_{SHORT_IDLE}, WATTS**
115	60	115.51	59.97	0.25	0.275	0.315	5	3.780
230	50	230.87	49.97	0.30	0.285	0.345	5	4.140
100	50	100.36	49.97	0.25	0.200	0.317	5	3.804
100	60	100.45	59.98	0.25	0.270	0.320	5	3.840

** If watt-hour value observed during that 5-minute period use, result calculated by the following equation:
Avg. Power (Watts) = (Wh X 60 minutes/hr)/ (Wh Interval, minutes)

Supplemental Information:
☐ Other:

Tester/Signature	Sam Chiou	Reviewer/Signature		Ian Lee	
Sample #	1,2	Equipment#		1, 2, 3, 4, 5, 6	
Test date	2020-05-18	Temp. (℃)	22.4	Humidity (%Rh)	64.0
Test Result: ☒ Inside lab (Safety Lab.) ☐ Outside lab, _____					

Sleep Mode / ALPM Power Consumption Test

☐ For Notebooks, Desktops, and Integrated Desktops that use an Alternative Low Power Mode in place of System Sleep Mode and Long Idle Mode, power in Alternative Low Power Mode (P_{ALPM}) may be used in place of both the power in Sleep (P_{SLEEP}) and the power in Long Idle (P_{LONG_IDLE}) in Equation1* if the Alternative Low Power Mode is less than or equal to 10 watts. In such instances, (P_{SLEEP}×T_{SLEEP}) and (P_{LONG_IDLE}×T_{LONG_IDLE}), is replaced by (P_{ALPM}×T_{SLEEP}) and (P_{ALPM}×T_{LONG_IDLE}); Equation1* remains otherwise unchanged.

☐ For Alternative Low Power Mode Testing, the UUT shall be allowed no more than 20 minutes from the point of ceased user input before measurements must be started. If any default settings cause the UUT to enter the Alternative Low Mode after 20 minutes, begin taking measurements when the UUT has reached the 20 minute mark. Display sleep settings shall be set to default for Alternative Low Power Mode Testing.

For models that do not offer a Sleep Mode enabled by default: Please choice below condition by default: ☐ Alternative Low Power Mode (ALPM) ☐ Skipped this test.

☒ Accumulate power values for 5 additional minutes and record the watt-hour value observed during that 5-minute period using both the "Wh" and time functions on the input meter. The average power consumed over that time period was then calculated.

☐ UUT exhibits cycling behavior and the normal measurement time would not capture one or more complete cycles, measure the alternative low power mode and sleep mode measurement using an extended measurement capturing one or more full cycles per IEC 62301, section B.2.3.

WIND SPEED: ＜0.2 m/sec

Required		Measured						
Vac	Hz	V	Hz	THD %	A	Wh	Wh Integration / Avg. time, min	$P_{SLEEP/ALPM}$, WATTS**
115	60	115.51	59.97	0.25	0.075	0.066	5	0.792
230	50	230.87	49.97	0.30	0.080	0.067	5	0.804
100	50	100.36	49.97	0.25	0.059	0.064	5	0.768
100	60	100.45	59.98	0.25	0.060	0.065	5	0.780

* Energy Star Program Requirements for Computers: Version 8.0

** If watt-hour value observed during that 5 minute period use, result calculated by the following equation:
Avg. Power (Watts) = (Wh X 60 minutes/hr)/ (Wh Interval, minutes)

Supplemental Information:
☐ Other:

Worksheets

☒Equation 1: Calculation 0f Typical Annual Electricity Use (E_{TEC}) for Desktop, Integrated Desktop and Notebook Computers:

$E_{TEC} = (8760/1000) \times (P_{OFF} \times T_{OFF} + P_{SLEEP} \times T_{SLEEP} + P_{LONG\_IDLE} \times T_{LONG\_IDLE} + P_{SHORT\_IDLE} \times T_{SHORT\_IDLE})$,

Where all P_x are power values in watts, all T_x are mode weightings as specified in Table 4* (for Desktops and Integrated Desktop Computers) or Table 5* (for Notebook Computers), and the E_{TEC} is in units of kWh and represents annual consumption based on mode weightings.

☐ For Notebooks, Desktops, and Integrated Desktops that use an Alternative Low Power Mode in place of System Sleep Mode and Long Idle Mode, power in Alternative Low Power Mode (P_{ALPM}) may be used in place of both the power in Sleep (P_{SLEEP}) and the power in Long Idle (P_{LONG_IDLE}) in Equation1* if the Alternative Low Power Mode is less than or equal to 10 watts. In such instances, ($P_{SLEEP} \times T_{SLEEP}$) and ($P_{LONG\_IDLE} \times T_{LONG\_IDLE}$), is replaced by ($P_{ALPM} \times T_{SLEEP}$) and ($P_{ALPM} \times T_{LONG\_IDLE}$); Equation1* remains otherwise unchanged.

Input		Calculated				
V	Hz	P_{OFF}	P_{SHORT_IDLE}	P_{LONG_IDLE}	$P_{SLEEP/ALPM}$	E_{TEC}
115.51	59.97	0.180	2.568	2.124	0.792	11.43
230.87	49.97	0.216	2.688	2.892	0.804	12.54
100.36	49.97	0.180	2.556	2.268	0.768	11.45
100.45	59.98	0.180	2.580	2.280	0.780	11.56

☒ Equation 2: Calculation of Maximum Typical Annual Electricity Use (E_{TEC_MAX}) For Desktop, Integrated Desktop, and Notebook Computers:

$E_{TEC\_MAX} = (1 + Allowance_{PSU} + Allowance_{PROXY}) \times (TEC_{BASE} + TEC_{MEMORY} + TEC_{GRAPHICS} + TEC_{STORAGE} + TEC_{INT\_DISPLAY} + TEC_{SWITCHABLE} + TEC_{MOBILEWORKSTATION} + TEC_{>1G\ TO\ <10GLAN} + TEC_{10GLAN})$

☒ Equation 3: Calculation of Allowance for Enhanced-performance Integrated Displays

$$EP = \begin{cases} 0, & No\ Enhanced\ Performance\ Display \\ 0.3, & Enhanced\ Performnce\ Display, d < 27 \\ 0.75, & Enhanced\ Peformance\ Dispaly, d \geq 27 \end{cases}$$ *Where: d is the diagonal of the screen, in inches;*

Where TEC_{BASE}, TEC_{MEMORY}, $TEC_{GRAPHICS}$, $TEC_{STORAGE}$, $TEC_{INT\_DISPLAY}$, $TEC_{MOBILE\ WORKSTATION}$, $TEC_{>1G\ TO\ <10GLAN}$, and TEC_{10GLAN} are adder as specified in Table 6*-11*, and with Equation 3*.

Allowance PSU	Allowance PROXY	TEC_{BASE} (kWh)	TEC_{MEMORY} (kWh)	$TEC_{GRAPHICS}$ (kWh)	$TEC_{STORAGE}$ (kWh)	$TEC_{INT\_DISPLAY}$ (kWh)	$TEC_{SWITCHABLE}$ (kWh)	$TEC_{MOBILE\ WORKSTATION}$ (KWh)	$TEC_{>1G\ TO\ <10GLAN}$ (KWh)	TEC_{10GLAN} (KWh)	E_{TEC_MAX} (kWh)
0	0.0	14.0	3.58	0.0	0.0	5.14	0.0	0.0	0.0	0	22.7

The results ☒ comply ☐ do not comply with the ENERGY STAR Program Requirements Product Specification for Computers, Version 8.0.

* Energy Star Program Requirements for Computers: Version 8.0

~END~

ENERGY EFFICIENCY CERTIFICATION (EEC): Test Report - Cover Page

Customer Name:	Acer Incorporated
Address:	8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 22181, Taiwan

Product Category:	Notebook Computer
Brand Name:	acer
Model Name(s):	1. N19Q10 **2. N20Q4** **3. N20Q9** **4. N20Q10** **5. N20Q11**
Model Number(s):	1. CP311-3H, **CB311-11H, CB311-11HT** **2. Chromebook CP513-1H, CP513-1HL, R841LT, R841T** **3. C722, C722T** **4. Chromebook R753T, R753TN** **5. Chromebook R853TA, R853TNA**
Representative (tested) Model:	N19Q10 (CP311-3H)
Model Differences:	All Models are similar except for Model designation, Rating, CPU type and RAM capacity, SSD capacity.

The sample(s) tested is(are) compliant with the following applied standards/regulations:

ENERGY STAR Program Requirements Product Specification for Computers, Version 8.0

Test Location Name:	Quanta Safety Laboratory					
Test Location Address:	No. 211 Wenhua 2nd Rd., Guishan Dist., Taoyuan City, Taiwan					
Testing Performed Under:	[ ]	UL Lab	[ ]	Private Label		
	[ ]	CTDP/SMTL	[ ]	WMTL	[X]	EPA 1st Party

UL Project No.:	4789495663, 4789755189		
Evaluator:	Ben Chang	**Reviewer:**	Scott Chen
		Certifier:	Becky Lin
Issued: (yyyy-mm-dd)	2020-06-30	**Revised:** (yyyy-mm-dd)	2021-01-14

Project History：

For Project No. 4789755189：

Add Model Name / Model Number(s) as below:

Model Name: N19Q10 / Model Number(s): CB311-11H, CB311-11HT

Model Name: N20Q4 / Model Number(s): Chromebook CP513-1H, CP513-1HL, R841LT, R841T

Model Name: N20Q9 / Model Number(s): C722, C722T

Model Name: N20Q10 / Model Number(s): Chromebook R753T, R753TN

Model Name: N20Q11 / Model Number(s): Chromebook R853TA, R853TNA

No additional tests were considered necessary due to all Models are similar except for Model designation, Rating, CPU type and RAM capacity, SSD capacity.

Certificate of

Conformance

Energy Efficiency Certification

UL conducted an independent evaluation on behalf of:

Acer Incorporated

8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 22181, Taiwan

for the following products:

Notebook Computer

Brand: acer

Model Name(s):
1. N19Q10
2. N20Q4
3. N20Q9
4. N20Q10
5. N20Q11

Model Number(s):
1. CP311-3H, CB311-11H, CB311-11HT
2. Chromebook CP513-1H, CP513-1HL, R841LT, R841T
3. C722, C722T
4. Chromebook R753T, R753TN
5. Chromebook R853TA, R853TNA

This product meets all of the necessary qualifications pursuant to:

ENERGY STAR Program Requirements Product Specification for Computers, Version 8.0

UL Energy Verified

2020-06-30

Certification Date

2020-01-14

Certification Revision Date

Issued by

4789495663, 4789755189

UL Product Number

NOTICE OF COMPLIANCE

2021-01-14

Mr. Greg Hsiao
Acer Incorporated
8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 22181, Taiwan

Project:	4789755189
Product Type:	Notebook Computer
Model Name(s):	1. N19Q10 2. N20Q4 3. N20Q9 4. N20Q10 5. N20Q11
Model Number(s):	1. CP311-3H, CB311-11H, CB311-11HT 2. Chromebook CP513-1H, CP513-1HL, R841LT, R841T 3. C722, C722T 4. Chromebook R753T, R753TN 5. Chromebook R853TA, R853TNA

Dear Greg,

The Energy Efficiency investigation of your product has been completed under the above project number and the subject product was determined to comply with the following ENERGY STAR® Program Requirements:

ENERGY STAR Program Requirements Product Specification for Computers, Version 8.0

Products that bear the ENERGY STAR® mark shall be identical to those that were evaluated by UL and found to comply with ENERGY STAR® requirements. If changes in construction will be implemented that could potentially alter the energy consumption of these products, these must be reported to UL for review.

Thank you for your business, and we hope UL will continue to be your ENERGY STAR® partner of choice.

Sincerely,

Becky Lin

Becky Lin
Project Handler, Energy Efficiency
Tel: (886) 2-7737-3024
E-mail: Becky.Lin@ul.com

Reviewed by:

David Piecuch
Global Program Manager, Energy Efficiency
Tel: 1.847.664.3760
E-mail: David.Piecuch@ul.com

Declaration for REACH and POPs

Company: Acer Incorporated

Address: 8F, 88, Sec. 1, Xintai 5th Rd, Xizhi, New Taipei City 221, Taiwan, R.O.C

EU Importer: Acer Italy s.r.l.

Address: Viale delle Industrie 1/A, 20020 Arese (MI), Italy

Tel: +39-02-939-921, Fax: +39-02 9399-2913

This letter is to confirm all acer notebooks, desktops, All-in-one PCs, and monitors have been evaluated as compliant with Regulation (EC) 1907/2006 – Annex XIV candidate substance: SVHC (substances of very high concern), Annex XVII: substances restricted under REACH, and POP Regulation (EU) 2019/1021.

Signature: Angus Hsieh

Name: Angus Hsieh

Title: Director of Env. & Regulation Div.

Date: 5/26/2021

ENERGY STAR CERTIFIED

Computers

Apple - iPad Pro 11 inch : A2435

Specifications

ENERGY STAR Unique ID:	2403890
Brand Name:	Apple
Model Name:	iPad Pro 11 inch
Model Number:	A2435
Type:	Slate/Tablet
Category 2: Processor Brand:	Other
Category 2: Processor Name:	Apple M2
Category 2: Base Processor Speed Per Core (GHz):	3.5
Category 2: Physical CPU Cores (count):	8
Category 2: System Memory (GB):	16.0
Category 2: Default Low-power Mode:	Sleep Mode
Category 2: Long Idle Power Used for Sleep Mode:	No
Category 2: Off Mode (watts):	1.2
Category 2: Sleep Mode (watts):	0.3
Category 2: Long Idle (watts):	0.4
Category 2: Short Idle (watts):	1.9
Category 2: Base TEC Allowance (kWh):	14
Category 2: Functional Adder Allowances (kWh):	11.0
Category 2: TEC of Model (kWh):	8.8
Notebooks, Desktops, Integrated Computers, Slate/Tablets, Two-in-one Notebooks, and Portable All-in-ones Category for TEC (Typical Energy Consumption) Criteria:	2
Category 2: Operating System Name:	iOS
Ethernet Capability:	No
Touch Screen:	Yes
Date Available On Market:	2022-10-26
Date Certified:	2022-09-29
Markets:	United States, Switzerland, Taiwan, Japan, Canada
ENERGY STAR Certified:	Yes

Additional Model Information

iPad Pro 11 inch,A2759,; iPad Pro 11 inch,A2761,; iPad Pro 11 inch,A2762,

UPC Codes	

Captured On:
08/25/2023

ENERGY STAR CERTIFIED
Computers

Acer - N21Q7 : CB314-3H

Specifications

ENERGY STAR Unique ID:	2393423
Brand Name:	Acer
Model Name:	N21Q7
Model Number:	CB314-3H
Type:	Notebook
Category 1: Processor Brand:	Intel
Category 1: Processor Name:	Intel Pentium N6000
Category 1: Base Processor Speed Per Core (GHz):	1.1
Category 1: Physical CPU Cores (count):	4
Category 1: System Memory (GB):	8
Category 1: Default Low-power Mode:	Sleep Mode
Category 1: Long Idle Power Used for Sleep Mode:	No
Category 1: Off Mode (watts):	0.3
Category 1: Sleep Mode (watts):	0.5
Category 1: Long Idle (watts):	4.1
Category 1: Short Idle (watts):	5.1
Category 1: Base TEC Allowance (kWh):	8
Category 1: Functional Adder Allowances (kWh):	14.2
Category 1: TEC of Model (kWh):	19.1
Category 2: Base Processor Speed Per Core (GHz):	3.0
Notebooks, Desktops, Integrated Computers, Slate/Tablets, Two-in-one Notebooks, and Portable All-in-ones Category for TEC (Typical Energy Consumption) Criteria:	1
Category 1: Operating System Name:	Chrome OS
Sleep Mode Default Time Upon Shipment (min.):	9
Display Sleep Mode Default Time Upon Shipment (min.):	8
Ethernet Capability:	No
Touch Screen:	No
Date Available On Market:	2022-04-19

Date Certified:	2022-02-24
Markets:	United States, Switzerland, Taiwan, Canada
ENERGY STAR Certified:	Yes

Additional Model Information

N21Q7,C934,; N21Q7,C934T,; N21Q7,CB314-3HT,

UPC Codes	193199138927, 193199153623, 193199592163, 195133148627, 195133148634, 195133156936, 195133156943, 195133157483, 195133157490, 195133161817, 195133183314, 195133183321, 195133195218, 195133196420

Captured On:
05/12/2023

SMART Technologies ULC
3636 Research Road NW
Calgary, AB T2L 1Y1
CANADA

Phone 403.228-8529
Fax 403.228.2500
info@smarttech.com
www.smarttech.com

Declaration of Conformity

	European Union	**United Kingdom**
Application of Council Directives and UK Regulations:	RoHS Directive 2011/65/EU	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
	RED Directive 2014/53/EU	Radio Equipment Regulations 2017
Standards to Which Conformity Is Declared:	EN 63000:2018	BS EN 63000:2018
	EN 62321-1:2013	BS EN 62321-1:2013
	EN 62321-2:2014	BS EN 62321-2:2014
	EN 62321-3-1:2014	BS EN 62321-3-1:2014
	EN 62321-3-2:2014	BS EN 62321-3-2:2014
	EN 62321-4:2014+A1:2017	BS EN 62321-4:2014+A1:2017
	EN 62321-5:2014	BS EN 62321-5:2014
	EN 62321-6:2015	BS EN 62321-6:2015
	EN 62321-7-1:2015	BS EN 62321-7-1:2015
	EN 62321-7-2:2017	BS EN 62321-7-2:2017
	EN 62321-8:2017	BS EN 62321-8:2017
	EN 55032:2015 (Class A)	BS EN 55032:2015 (Class A)
	EN 55035:2017	BS EN 55035:2017
	EN 61000-3-2:2014	BS EN 61000-3-2:2014
	EN 61000-3-3:2013	BS EN 61000-3-3:2013
	EN 301 489-1 V2.2.0	BS EN 301 489-1 V2.2.0
	EN 301 489-3 V2.1.1	BS EN 301 489-3 V2.1.1
	EN 301 489-17 V3.2.0	BS EN 301 489-17 V3.2.0
	EN 300 328 V2.2.2	BS EN 300 328 V2.2.2
	EN 301 893 V2.1.1	BS EN 301 893 V2.1.1
	EN 300 440 V2.1.1	BS EN 300 440 V2.1.1
	EN 62311:2008	BS EN 62311:2008
	EN 62368-1:2014 +A11:2017 IEC 62368-1:2014	BS EN 62368-1:2014 + A11:2017

Manufacturer's Name	SMART Technologies ULC
Manufacturer's Address	3636 Research Road NW Calgary, Alberta, Canada T2L 1Y1
Description of Equipment:	Multimedia / Information & Communication Technology Equipment: (Interactive Flat Panel Display)
Model Name(s):	SBID-GX065, SBID-GX165

Model Number(s):	IDGX65-1
CE and UKCA Marks First Affixed:	2021 – CE; 2021 – UKCA

This declaration of conformity is issued under the sole responsibility of SMART Technologies ULC. The object of the declaration is in conformity with the relevant Union harmonisation legislation and United Kingdom legislation.

Signed for and on behalf of SMART Technologies:

Place:	Calgary, Alberta, Canada	**Signature:**	
Date:	2021-02-24	**Full Name:**	Nicole McMillan
		Position:	Manager, Systems Design, Regulatory and Compliance

CERTIFICATE OF CONFORMITY

This Certificate indicates that the Applicant has satisfied the Intertek requirements for the application of the EPA ENERGY STAR Mark to the model(s) described in the Product(s) Covered section of the referenced Compliance Report when made in accordance with the conditions set forth in the Energy Efficiency Certification Agreement, the Certification Report and the Program Manual. This certificate is issued subject to the Applicant attaining, and remaining in, compliance with any separate EPA ENERGY STAR Program requirements necessary for use of the ENERGY STAR Mark. This document is the property of Intertek Testing Services and is not transferable.

Company:	SMART Technologies ULC	**OEM name:**	SMART Technologies ULC
Address:	3636 Research Road NW,Calgary AB T2L 1Y1, Canada	**Address:**	3636 Research Road NW,Calgary AB T2L 1Y1, Canada
Country:	Canada	**Country:**	Canada
Contact:	Mr. John Hogg	**Contact:**	Mr. John Hogg
Phone:	+1 403-407-5645	**Phone:**	+1 403-407-5645
FAX:	NA	**FAX:**	NA
Email:	johnhogg@smarttech.com	**Email:**	johnhogg@smarttech.com

3rd-party Report Issuing Office: INTERTEK TESTING SERVICES LTD., SHANGHAI

Control Number: *5017637* **Authorized by:**

for L. Matthew Snyder, Certification Manager

This document supersedes all previous Certificate of Conformity for the noted Report Number.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672
www.intertek.com

Standard(s):	ENERGY STAR® Program Requirements for Displays Version 8.0
Product:	Signage Display
Models:	IDGX65-1(SBID-GX065);IDGX65-1(SBID-GX165)

ENERGY STAR CERTIFIED

Displays

Hisense - 75MR6DE : 75MR6DE

Specifications

ENERGY STAR Unique ID:	2515540
Brand Name:	Hisense
Model Name:	75MR6DE
Model Number:	75MR6DE
Product Type:	Signage Display
Panel Type:	IPS LCD
Screen Size (inches):	74.5
Screen Area (square inches):	2372.72
Native Resolution (pixels):	3840 x 2160
Maximum Luminance (candelas per square meter):	350.0
Total Native Resolution (megapixels):	8.3
Model Features:	Full Network Connectivity,Touch Screen,USB-C,Built-In Speakers,Camera Interface,Automatic Brightness Control
Signal or Data Interfaces:	RS232,Other,HDMI,USB
Power Source:	Ac to dc internal power supply
On Mode Power (watts):	120.82
Markets:	United States, Switzerland, Taiwan, Japan, Canada
Sleep Mode Power (watts):	0.33
Off Mode Power (watts):	0.0
Tiled Display System:	No
ENERGY STAR Certified:	Yes
ENERGY STAR Most Efficient:	No

Additional Model Information

75MR61DE,75MR61DE,; 75MR6DE-E,75MR6DE-E,; 75VCA-8AE,75VCA-8AE,; 75VCB-9AE,75VCB-9AE,; 75VH6C,75VH6C,; 75VH6E,75VH6E,; 75WR61DE,75WR61DE,; 75WR6DE,75WR6DE,

UPC Codes	

Captured On:
08/25/2023

UK DECLARATION OF CONFORMITY

according to ISO/IEC 17050-1 and EN 17050-1

DoC #: TPN-C139-R8 Original/en.uk

Manufacturer's Name:	**HP Inc.**
Manufacturer's Address:	1501 Page Mill Road, Palo Alto, CA 94303-1112 USA

declare, under its sole responsibility that the product

Product Name and Model:[2)]	**HP 15 Laptop PC; HP 15s Laptop PC; HP Laptop; HP Laptop 15 series; HP 250 G8 Notebook PC; HP 250 G8; HP 250 15.6 inch/" G9 Notebook PC; HP 250 G9; For China/Brazil: HP 256 G8 Notebook PC; HP 256 G8; HP 256 15.6 inch/" G9 Notebook PC; HP 256 G9**
Regulatory Model Number:[1)]	**TPN-C139**
Product Options:	**Please See ANNEX I**

conforms to the following Product Specifications and Regulations:

Safety:	**EMC**	**Radio Spectrum**
IEC 60950-1:2005 +A1:2009 +A2:2013	**EN 55032:2015+A11:2020 Class B**	**EN 300 328 V2.2.2**
IEC 62368-1:2014	**EN 55035:2017+A11:2020**	**EN 301 893 V2.1.1**
EN 62368-1:2014 +A11:2017	**EN 61000-3-2:2014**	**EN 300 440 V2.1.1**
IEC 62368-1:2018	**EN 61000-3-3:2013 +A1:2019**	
EN IEC 62368-1:2020 +A11:2020	**EN 301 489-1 V2.2.3**	
EN 62479:2010	**EN 301 489-17 V3.2.4**	
EN 62311:2008	**FCC CFR 47 Part 15**	
	ICES-003, Issue 7	

Ecodesign

Standby and off mode power consumption of electrical and electronic household and office equipment

EN 50564:2011
IEC 62301:2011

RoHS

EN IEC 63000:2018

The product herewith complies with the requirements of The Radio Equipment Regulations 2017, The Ecodesign for Energy-Related Products regulations 2010, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment regulations 2012, and following amendments, and carries the UKCA mark accordingly.

Additional information:

1) **This product is assigned a Regulatory Model Number which stays with the regulatory aspects of the design. The Regulatory Model Number is the main product identifier in the regulatory documentation and test reports, this number should not be confused with the marketing name or the product numbers.**
2) **This product was tested in a typical HP environment .**

Houston, TX
11-01-2022

Gilles Soulard
HP Inc.
1501 Page Mill Road, Palo Alto, CA
Gilles Soulard, Manager
Product Compliance Center

Gilles Soulard, Manager
Product Compliance Center

Local contact for regulatory topics only:

UK: HP Inc UK Ltd, Regulatory Enquiries, Earley West, 300 Thames Valley Park Drive, Reading, RG6 1PT
EU: HP Deutschland GmbH, HP HQ-TRE, 71025 Boeblingen, Germany
U.S.: HP Inc., 1501 Page Mill Road, Palo Alto 94304, U.S.A. 650-857-1501

www.hp.eu/certificates

UK DECLARATION OF CONFORMITY
according to ISO/IEC 17050-1 and EN 17050-1

ANNEX I

Regulatory Model Number (RMN): TPN-C139

OPTIONS

DESCRIPTION:*	RMN OPTION:*
Power Adapter	**TPN-XA05** **TPN-XA06** **TPN-XA14** **TPN-XA15** **TPN-XA16** **TPN-XA17**
Battery Pack	**HSTNN-XB1H** **HSTNN-XB2A** **HSTNN-XB7J** **HSTNN-XB7Q** **HSTNN-XB8M** **HSTNN-XB8O** **HSTNN-XB8R** **HSTNN-XB8S** **HSTNN-XB8U** **HSTNN-XB8X** **HSTNN-XB9A** **HSTNN-XB9D** **HSTNN-XB9O** **HSTNN-XB9Y** **TPN-XB1D**
Transceiver 2,4 GHz WLAN and BT	**RTL8723DE** **RTL8821CE**
Transceiver 2,4 and 5 GHz WLAN and BT	**RTL8822BE** **RTL8822CE** **RTL8852AE** **RTL8852BE** **9461NGW** **9560NGW** **AX201NGW**

*** Where X represents any alpha numeric character.**

THE ECO DECLARATION

ecma INTERNATIONAL IT-Företagen

Company environmental profile - THE ECO DECLARATION

Brand	***HP***	***Logo***
Company name *	***Hewlett-Packard Company***	
Contact information *	***HP Environmental Contact Centre (ECC)*** ***environment@hp.com***	
Internet site *	***www.hp.com/hpinfo/globalcitizenship/environment/index.html***	
Issue date *	***2014-07***	
Intended market *	☒ **Global** ☐ **Europe** ☐ **Asia, Pacific & Japan** ☐ **Americas** ☐ **Other**	
Additional information		

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

The declaration may be published only when all rows and/or fields marked with an * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under C6.

Quality control		**Requirement met**	
Item		Yes	No
QC1 *	The company enforces an internal quality control system to ensure the correctness of this eco declaration	☒	☐
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality control.	☒	☐

Company environmental profile - Legal requirements		**Requirement met**		
Item		Yes	No	n.a.
C1	**Product recycling**			
C1.1*	The company participates in a system or has its own system for collection and recycling of end of life products in countries where the company puts them on the market and where required (see legal reference)	☒	☐	
C2	**Battery recycling**			
C2.1*	The company participates in a system or has its own system for collection and recycling of batteries in countries where the company puts products on the market (see legal reference) or pays eco tax / fee where required.	☒	☐	
C3	**Packaging recycling**			
C3.1*	The company participates in a system or has its own system for collection and recycling of packaging material in countries where the company puts products on the market and where required (see legal reference)	☒	☐	

Company environmental profile - Market requirements		**Requirement met**		
Item		Yes	No	n.a.
C4	**Environmental policy and environmental management**			
C4.1*	The company has a documented environmental policy approved by the management.	☒	☐	
C4.2*	The company has an environmental management system covering: Product development Manufacturing If so certified according to: ☒ ISO 14001 ☒ Other as specified in C6	 ☒ ☒	 ☐ ☐	
C4.3	The company regularly publishes an environmental report. If so, it meets the recommendations of ☒ The Global Reporting Initiative ☐ Other as specified in C6	☒	☐	☐
C5	**Recycling**			
C5.1*	Information about the product, battery & packaging take back system (C1, C2, C3) is available in printed or electronic format.	☒	☐	
C6	**Additional information**			
	HP has received ISO 14001 certification for its manufacturing operations (Worldwide Manufacturing of Computing and Imaging Products and Related Operations) and for product design for its Personal Systems Products and LaserJet and Enterprise Printing Products. The product design certifications include HP-wide product environmental design processes (such as HP's General Specification for the Environment) that cover all HP products. ***HP is committed to responsible business practices and transparency in its global citizenship policies and performance. We have a long history of working with suppliers to monitor and improve their social and environmental responsibility (SER) performance when required, as well as improving standards in the industry. HP endorses the EICC Code of Conduct in its entirety, and we have supplemented it with additional requirements specific to freedom of association as well as HP's Student and Dispatch Worker Guidance Standard for Supplier Facilities in the People's Republic of China (PRC). HP also has a strong Global Human Rights Policy in place. HP expects its suppliers to establish policies and processes regarding conflict minerals. HP conducts due diligence on its supply chain annually including requesting information about our suppliers' own due diligence and the smelters and refiners used. HP was the first IT company to publish its supply chain smelter list. HP follows the Global Reporting Initiative (GRI) guidelines as a basis for reporting. The GRI index provides easy reference to HP's Living Progress Report (LPR) content. HP offers take back services of products and printing suppliers in some 70 countries. Please refer to HP's Living Progress Report for more details on our global efforts.***			

Legal references Europe Annex A

Reference	Declaration item
2002/96/EC (WEEE directive)	C1.1
2006/66/EC (Battery and accumulators Directive)	C1.2
2004/12/EC (Directive on packaging and packaging waste)	C1.3

Annex B2 - Product environmental attributes
Computers and computer monitors

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *	*Acer*	Logo
Company name *	*Acer Inc.*	
Contact information * e-mail address	*Name: RU Jan* e-mail: RU.Jan@acer.com	
Internet site *	www.acer.com	
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	*All in One*
Commercial name *	*Veriton Z2594G series*
Model number *	*Veriton Z2594G series*
Issue date *	*2022-04-13*
Intended market *	☒ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other
Additional information	

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B2
Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:
P4.1 – P4.3 Consumable materials
P9.1 TEC and Print speed
P10.2 - P10.3 Chemical emissions from printing products
P11.1 - P11.3 Consumable materials for printing products.

Model number *	***Veriton Z2594G series***	**Logo**
Issue date *	***2022-04-13***	

Product environmental attributes - Legal requirements		**Requirement met**		
Item		Yes	No	n.a.
P1	**Hazardous substances and preparations**			
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	☒	☐	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	☒	☐	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	☒	☐	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	☒	☐	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	☒	☐	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 $\mu g/cm^2$/week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	☒	☐	☐
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	☒	☐	☐
P2	**Batteries**			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	☒	☐	☐
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	☒	☐	☐
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	☒	☐	☐
P2.4*	Documentation includes the number of cycles the (secondary) battery can withstand. (See legal reference)	☒	☐	☐
P2.5*	When internal batteries of a notebook computer cannot be “accessed and replaced by a nonprofessional user”, the related text is present and legible on the external packaging (see legal reference)	☐	☐	☒
P3	**Conformity verification & Eco design (ErP)**			
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address): *www.acer.com*	☒	☐	☐
P3.2*	The product complies with the applicable Eco design requirements for energy-related products, (see legal reference).	☒	☐	☐
	Required information is; ☐ given in item P15 or added to this document, ☒ available at (add URL): ***www.acer.com***	☒	☐	☐
P5	**Product packaging**			
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	☒	☐	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	☒	☐	☐
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	☒	☐	☐
P6	**Treatment information**			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	☒	☐	☐

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating “Yes” means that the product is compliant with the mandatory requirements.

Model number *	***Veriton Z2594G series***	**Logo**	
Issue date *	***2022-04-13***		

Product environmental attributes - Market requirements (See General NOTE GN below) **- Environmental conscious design**		**Requirement met**		
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No	n.a.
P7	**Design** **Disassembly, recycling**			
P7.1*	Parts that have to be treated separately are easily separable	☒	☐	☐
P7.2*	Plastic materials in covers/housing have no surface coating.	☒	☐	☐
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	☒	☐	☐
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	☒	☐	☐
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	☒	☐	☐
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	☒	☐	☐
	Product lifetime			
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	☐	☒	☐
P7.8*	Upgrading can be done using commonly available tools	☒	☐	☐
P7.9	Spare parts are available after end of production for: years			☐
P7.10	Service is available after end of production for: years			☐
	Material and substance requirements			
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: ***Plastic*** Material type: Material type:			
P7.12	Insulation materials of external electrical cables are PVC free.	☐	☒	☐
P7.13	Insulation materials of internal electrical cables are PVC free.	☐	☒	☐
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.	☒	☐	☐
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all ☐ PCBs > 25 g ☐ are low halogen as defined in IEC 61249-2-21. (See [5]NOTE B2)	☐	☐	☐
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking: ***E64531***	☒	☐	☐
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive) ☐, TBBPA (reactive) ☐ (See NOTE B3), Other; chemical name: , CAS #: Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:	☐ ☐	☐ ☐	☐ ☐
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: DBDPO, CAS #: 84852-53-9 (See NOTE B4) 2. Chemical name: Sb2O3 CAS #: 1309-64-4 3. Chemical name: CAS #: Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:***E248280***	☒ ☒	☐ ☐	☐ ☐
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; ***R20/21*** and Hazard statements: ***Harmful by inhalation and in contact with skin.*** The source(s) for these classifications is/are found at (add URL(s)): , (See NOTE B5)	☒	☐	☐

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

Model number *	*Veriton Z2594G series*	Logo	
Issue date *	*2022-04-13*		

Product environmental attributes - Market requirements (continued)		Requirement met		
Item		Yes	No	n.a.
	Material and substance requirements (continued)			
P7.20*	Postconsumer recycled plastic material content is used in the product (See NOTE B6): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is ***1.4*%.** or b) The weight of recycled material is ***11.49*** g.	☒	☐	☐
P7.21*	Biobased plastic material content is used in the product (See NOTE B7): If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %. or b) The weight of the biobased plastic material is g.	☐	☐	☒
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp. If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg	☐	☐	☒
P7.23*	If product includes an integral display, the total mercury content in the integrated display: mg	☐	☐	☒
P8	**Batteries**			
P8.1*	Battery chemical composition: ***Lithium Manganese Dioxide***			☐
P9	**Energy consumption (See NOTE B8)**			
P9.1	For the product the following power levels or energy consumptions are reported:			

Energy mode *	Power level at **100** V AC	Power level at **115** V AC	Power level at **230** V AC	Reference/Standard for energy modes and test method *	☐
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	***0.079***	***0.075***	***0.095***		
PTEC * Typical Energy Consumption	***2.82*** W	***2.53*** W	***2.52*** W		☐
ETEC * Annual Energy Consumption	***62.12*** kWh/year	***61.76*** kWh/year	***60.87*** kWh/year		☐
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * : ***V1***					☐
Display resolution * : ***1920*1080*** megapixels					☐
Default time to enter energy save mode: ***15*** minutes					☐

P9.2*	Information about the energy save function is provided with the product.	☐	☐	☒
P9.3	Energy efficiency class (monitors only): ***N/A***			☒

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available;

see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

Model number *	*Veriton Z2594G series*	Logo	
Issue date *	*2022-04-13*		

Product environmental attributes - Market requirements (continued)				Requirement met		
Item				Yes	No	n.a.
P10	**Emissions**					
	Noise emission – Declared according to ISO 9296 (See NOTE **B9**)					
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)			
	Idle	* *Idle*	* *3.4*			☐
	Operation	* *HDD Random Seek*	* *3.4*			☐
	Other mode					
	Measured according to: ☒ ISO 7779 ☐ ECMA-74 ☐ Other (only if not covered by ECMA-74)					
	Electromagnetic emissions					
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program(s):			☐	☐	☐
P12	**Ergonomics for computing products**					
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.			☐	☒	☐
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.			☒	☐	☐
P13	**Packaging and documentation**					
P13.1*	Product packaging material type(s): *Paper* weight (kg): *0.881* Product packaging material type(s): *Plastic* weight (kg): *0.3525* Product packaging material type(s): weight (kg):					
P13.2*	Product plastic primary packaging is free from PVC.			☐	☒	☐
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: *85* %					☐
P13.4*	Specify media for user and product documentation (tick box): Electronic ☐ Paper ☒, Other ☐					☐
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify:			☒	☐	
	Totally chlorine-free			☐		
	Elemental chlorine-free			☒		
	Processed chlorine-free			☒		
P14	**Voluntary programs**					
P14.1	The product meets the requirements of the following voluntary program(s):					
	ENERGY STAR®	Criteria version: *8.0*	Date: *2022/03/08*	Product category: *1,2*		
	Eco-label:	Criteria version:	Date:	Product category:		
	Eco-label:	Criteria version:	Date:	Product category:		
P15	**Additional information (See NOTE B10)**					
P9	***Energy consumption of computer products; description of the tested product configuration:***					

NOTE B9 A Guidance document on Acoustic Noise is available;
see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

NOTE B10 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive)* * Specific exemptions apply for certain products and applications.	P1.1, P3.1
Regulation (EC) 1907/2006 (REACH Regulation), annex XVII	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2006/66/EC (Battery and accumulators Directive), as amended.* * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2014/35/EU (Low Voltage Directive)	P3.1
Directive 2014/30/EU (EMC Directive)	P3.1
Directive 2014/53/EU (RE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Commission Regulation (EC) No 278/2009 of 6 April 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for no-load condition electric power demand and average active efficiency of external power supplies	P3.1, P3.2, P9.1
COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers	P2.4, P2.5, P3.1, P3.2, P7.23, P9.1
Regulation（EC）No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive) Implementing Regulation (EU) 2019/290 establishing the format for registration and reporting of producers of electrical and electronic equipment to the register. Commission Implementing Regulation 2017/699 establishing a common methodology for the calculation of the weight of electrical and electronic equipment (EEE) placed on the national market in each Member State and a common methodology for the calculation of the quantity of waste electrical and electronic equipment (WEEE) generated by weight in each Member State.	P6.1

DECLARATION of REACH COMPLIANCE

Taipei, Taiwan – Mar. 22, 2023

As part of our continuous efforts to safeguard a clean environment, we have been dedicating substantial resources to improving the environmental friendliness of our products. One of our recent foci has been placed upon the compliance of REACH, i.e. Regulation (EC) No. 1907/ 2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals.

Acer Inc. hereby declares that we are committed to taking all necessary stepsto ensure our products comply with the REACH requirements. We will continue to reviewthe Candidate List of Substances of Very High Concern (SVHC) and the Restriction List(Annex XVII) for additions and updates, and will act accordingly in compliance with REACH regulations.

RU Jan
Sr. Manager

Ver. :B5-Mar., 2023

As specified in the table below according to the Candidate list published by ECHA (European Chemical Agency).

#	Substance Name	CAS #	Published Date
1	Anthracene	120-12-7	2008-10-28
2	4,4'- Diaminodiphenylmethane	101-77-9	2008-10-28
3	Dibutyl phthalate	84-74-2	2008-10-28
4	Cobalt dichloride	7646-79-9	2008-10-28
5	Diarsenic pentaoxide	1303-28-2	2008-10-28
6	Diarsenic trioxide	1327-53-3	2008-10-28
7	Sodium dichromate, dihydrate	10588-01-9	2008-10-28
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	2008-10-28
9	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	2008-10-28
10	Hexabromocyclododecane (HBCDD)	3194-55-6	2008-10-28
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	2008-10-28
12	Bis(tributyltin) oxide,hexabutyldistannoxane	56-35-9	2008-10-28
13	Lead hydrogen arsenate	7784-40-9	2008-10-28
14	Triethyl arsenate	15606-95-8	2008-10-28
15	Benzyl butyl phthalate	85-68-7	2008-10-28
16	Anthracene oil	90640-80-5	2010-1-13
17	Anthracene oil, anthracene paste	90640-81-6	2010-1-13
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	2010-1-13
19	Anthracene oil, anthracene paste,distn. lights	91995-17-4	2010-1-13
20	Anthracene oil, anthracene-low	90640-82-7	2010-1-13
21	Pitch, coal tar, high temp.	65996-93-2	2010-1-13
22	Acrylamide	79-06-1	2010-3-30
23	2,4-Dinitrotoluene	121-14-2	2010-1-13
24	Diisobutyl phthalate	84-69-5	2010-1-13
25	Lead chromate	7758-97-6	2010-1-13

#	Substance Name	CAS #	Published Date
26	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	2010-1-13
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	2010-1-13
28	Tris(2-chloroethyl)phosphate	115-96-8	2010-1-13
29	Trichloroethylene	79-01-6	2010-6-18
30	Boric acid	10043-35-3	2010-6-18
31	Disodium tetraborate, anhydrous	1330-43-4	2010-6-18
32	Tetraboron disodium heptaoxide, hydrate	12267-73-1	2010-6-18
33	Sodium chromate	7775-11-3	2010-6-18
34	Potassium chromate	7789-00-6	2010-6-18
35	Ammonium dichromate	7789-09-5	2010-6-18
36	Potassium dichromate	7778-50-9	2010-6-18
37	Cobalt(II) sulphate	10124-43-3	2010-12-15
38	Cobalt(II) dinitrate	10141-05-6	2010-12-15
39	Cobalt(II) carbonate	513-79-1	2010-12-15
40	Cobalt(II) diacetate	71-48-7	2010-12-15
41	2-Methoxyethanol	109-86-4	2010-12-15
42	2-Ethoxyethanol	110-80-5	2010-12-15
43	Chromium trioxide	1333-82-0	2010-12-15
44	Acids generated from chromium trioxide and chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2 -	2010-12-15
45	2-Ethoxyethyl acetate	111-15-9	2011-6-20
46	Strontium chromate	7789-06-2	2011-6-20
47	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	2011-6-20
48	Hydrazine	302-01-2 7803-57-8	2011-6-20

#	Substance Name	CAS #	Published Date
49	1-Methyl-2-pyrrolidone	872-50-4	2011-6-20
50	1,2,3-Trichloropropane	96-18-4	2011-6-20
51	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	2011-6-20
52	Dichromium tris(chromate)	24613-89-6	2011-12-19
53	Potassium hydroxyoctaoxodizincatedi-chromate	11103-86-9	2011-12-19
54	Pentazinc chromate octahydroxide	49663-84-5	2011-12-19
55	Aluminosilicate Refractory Ceramic Fibres (RCF)	-	2011-12-19
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)	-	2011-12-19
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	2011-12-19
58	Bis(2-methoxyethyl) phthalate	117-82-8	2011-12-19
59	2-Methoxyaniline; o-Anisidine	90-04-0	2011-12-19
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	2011-12-19
61	1,2-Dichloroethane	107-06-2	2011-12-19
62	Bis(2-methoxyethyl) ether	111-96-6	2011-12-19
63	Arsenic acid	7778-39-4	2011-12-19
64	Calcium arsenate	7778-44-1	2011-12-19
65	Trilead diarsenate	3687-31-8	2011-12-19
66	N,N-dimethylacetamide (DMAC)	127-19-5	2011-12-19
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	2011-12-19
68	Phenolphthalein	77-09-8	2011-12-19
69	Lead azide Lead diazide	13424-46-9	2011-12-19
70	Lead styphnate	15245-44-0	2011-12-19
71	Lead dipicrate	6477-64-1	2011-12-19

#	Substance Name	CAS #	Published Date
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	2012-6-18
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	2012-6-18
74	Diboron trioxide	1303-86-2	2012-6-18
75	Formamide	75-12-7	2012-6-18
76	Lead(II) bis(methanesulfonate)	17570-76-2	2012-6-18
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	2012-6-18
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	2012-6-18
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	2012-6-18
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	2012-6-18
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	2012-6-18
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	2012-6-18
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	2012-6-18
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	2012-6-18
85	Pyrochlore, antimony lead yellow	8012-00-08	2012-12-19
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	2012-12-19

#	Substance Name	CAS #	Published Date
87	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] *[The individual isomers [2],[3] and [3] (including their cis-and trans- stereo isomeric forms) and all possible combinations of isomers [1] are covered by this entry}]*	25550-51-0 19438-60-9 48122-14-1 57110-29-9	2012-12-19
88	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] *[The individual cis-[2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]*	85-42-7 13149-00-3 14166-21-3	2012-12-19
89	Dibutyltin dichloride (DBTC)	683-18-1	2012-12-19
90	Lead bis(tetrafluoroborate)	13814-96-5	2012-12-19
91	Lead dinitrate	10099-74-8	2012-12-19
92	Silicic acid, lead salt	11120-22-2	2012-12-19
93	4-Aminoazobenzen	60-09-3	2012-12-19
94	Lead titanium zzirconium oxide	12626-81-2	2012-12-19
95	Lead monoxide (lead oxide)	1317-36-8	2012-12-19
96	o-Toluidine	95-53-4	2012-12-19
97	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	2012-12-19
98	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped *[with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]*	68784-75-8	2012-12-19

#	Substance Name	CAS #	Published Date
99	Trilead bis(carbonate) dihydroxide	1319-46-6	2012-12-19
100	Furan	110-00-9	2012-12-19
101	N,N-dimethylformamide	68-12-2	2012-12-19
102	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	2012-12-19
103	4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chanin with a carbon number of 9 convalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]*	-	2012-12-19
104	4,4'-methylenedi-o-toluidine	838-88-0	2012-12-19
105	Diethyl sulphate	64-67-5	2012-12-19
106	Dimethyl sulphate	77-78-1	2012-12-19
107	Lead oxide sulfate	12036-76-9	2012-12-19
108	Lead titanium trioxide	12060-00-3	2012-12-19
109	Acetic acid, lead salt, basic	51404-69-4	2012-12-19
110	[Phthaato(2-)]dioxotrilead	69011-06-9	2012-12-19
111	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	2012-12-19
112	N-methylacetamide	79-16-3	2012-12-19
113	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	2012-12-19
114	1,2-Diethoxyethane	629-14-1	2012-12-19
115	Tetralead trioxide sulphate	12202-17-4	2012-12-19
116	N-pentyl-isopentylphthalate	776297-69-9	2012-12-19
117	Dioxobis(stearato)trilead	12578-12-0	2012-12-19
118	Tetraethyllead	78-00-2	2012-12-19

#	Substance Name	CAS #	Published Date
119	Pentalead tetraoxide sulphate	12065-90-6	2012-12-19
120	Pentacosafluorotridecanoic acid	72629-94-8	2012-12-19
121	Tricosafluorododecanoic acid	307-55-1	2012-12-19
122	Henicosafluoroundecanoic acid	2058-94-8	2012-12-19
123	Heptacosafluorotetradecanoic acid	376-06-7	2012-12-19
124	1-bromopropane (n-propyl bromide)	106-94-5	2012-12-19
125	Methoxyacetic acid	625-45-6	2012-12-19
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	2012-12-19
127	Methyloxirane (Propylene oxide)	75-56-9	2012-12-19
128	Trilead dioxide phosphonate	12141-20-7	2012-12-19
129	o-aminoazotoluene	97-56-3	2012-12-19
130	1,2-Benzenedicarboxylic acid, dipentylester, branced and linear	84777-06-0	2012-12-19
131	4,4’-oxydianiline and its salts	101-80-4	2012-12-19
132	Orange lead (lead tetroxide)	1314-41-6	2012-12-19
133	Biphenyl-4-ylamine	92-67-1	2012-12-19
134	Diisopentylphthalate	605-50-5	2012-12-19
135	Fatty acids, C16-18, lead salts	91031-62-8	2012-12-19
136	Diazene-1,2-dicarboxamide (C,C’-azodi(formamide))	123-77-3	2012-12-19
137	Sulfurous acid, lead salt, dibasic	62229-08-7	2012-12-19
138	Lead cyanamidate	20837-86-9	2012-12-19
139	Cadmium	7440-43-9	2013-06-20
140	Cadmium oxide	1306-19-0	2013-06-20
141	Ammonium pentadecaflurorooctanote (APFO)	3825-26-1	2013-06-20
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	2013-06-20
143	Dipentyl phthalate (DPP)	131-18-0	2013-06-20

#	Substance Name	CAS #	Published Date
144	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	2013-06-20
145	Cadmium sulphide	1306-23-6	2013-12-16
146	Dihexyl phthalate	84-75-3	2013-12-16
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	2013-12-16
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	2013-12-16
149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	2013-12-16
150	Lead di(acetate)	301-04-2	2013-12-16
151	Trixylyl phosphate	25155-23-1	2013-12-16
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	2014/06/16
153	Sodium perborate; perboric acid, sodium salt	-	2014/06/16
154	Sodium peroxometaborate	7632-04-4	2014/06/16
155	Cadmium chloride	10108-64-2	2014/06/16
156	Cadmium fluoride	7790-79-6	2014-12-17
157	Cadmium sulphate	10124-36-4 31119-53-6	2014-12-17

#	Substance Name	CAS #	Published Date
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	2014-12-17
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	2014-12-17
160	2-ethylhexyl,10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	2014-12-17
161	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	2014-12-17
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	2015/06/15
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	--	2015/06/15
164	1,3-propanesultone	1120-71-4	2015/12/17
165	2,4-di-tert-butyl-6-(5- chlorobenzotriazol-2-yl)phenol (UV- 327)	3864-99-1	2015/12/17
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)- 6-(sec-butyl)phenol (UV-350)	36437-37-3	2015/12/17
167	Nitrobenzene	98-95-3	2015/12/17
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	2015/12/17

#	Substance Name	CAS #	Published Date
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	2016/06/20
170	4,4'-isopropylidenediphenol	80-05-7	2017/01/12
171	4-Heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB-and well-defined substances which include any of the individual isomers or a combination thereof	--	2017/01/12
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Ammonium nonadecafluorodecanoate Decanoic acid, nonadecafluoro-, sodium salt	335-76-2 3108-42-7 3830-45-3	2017/01/12
173	p-(1,1-dimethylpropyl)phenol = 4-tert-pentylphenol (PTAP)	80-46-6	2017/01/12
174	Perfluorohexane-1-sulphonic acid and its salts	--	2017/07/07
175	Benz[a]anthracene	56-55-3	2018/01/15
176	Cadmium carbonate	513-78-0	2018/01/15
177	Cadmium hydroxide	21041-95-2	2018/01/15
178	Cadmium nitrate	10325-94-7	2018/01/15
179	Chrysene	218-01-9	2018/01/15
180	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	-	2018/01/15
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	-	2018/01/15
182	Octamethylcyclotetrasiloxane (D4)	556-67-2	2018/06/07

#	Substance Name	CAS #	Published Date
183	Decamethylcyclopentasiloxane (D5)	541-02-6	2018/06/07
184	Dodecamethylcyclohexasiloxane (D6)	541-02-6	2018/06/07
185	Lead	7439-92-1	2018/06/07
186	Disodium octaborate	12008-41-2	2018/06/07
187	Benzo[ghi]perylene	191-24-2	2018/06/07
188	Terphenyl hydrogenated	61788-32-7	2018/06/07
189	Ethylenediamine (EDA)	107-15-3	2018/06/07
190	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride; TMA)	552-30-7	2018/06/07
191	Dicyclohexyl phthalate (DCHP)	84-61-7	2018/06/07
192	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	239-139-9	2019/1/15
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	2019/1/15
194	Benzo[k]fluoranthene	205-916-6	2019/1/15
195	Fluoranthene	205-912-4	2019/1/15
196	Phenanthrene	201-581-5	2019/1/15
197	Pyrene	204-927-3	2019/1/15
198	2-methoxyethyl acetate	110-49-6	2019/07/16
199	Tris (4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	2019/07/16
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides (covering any of their individual isomers and combina_ons thereof)	-	2019/07/16
201	4-tert-butylphenol	98-54-4	2019/07/16
202	Diisohexyl phthalate	71850-09-4	2020/1/16
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	2020/1/16

#	Substance Name	CAS #	Published Date
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	2020/1/16
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	2020/1/16
206	1-vinylimidazole	1072-63-5	2020/6/25
207	2-methylimidazole	693-98-1	2020/6/25
208	butyl 4-hydroxybenzoate	94-26-8	2020/6/25
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	2020/6/26
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	2021/1/19
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs. Stannane, dioctyl-, bis(coco acyloxy) derivs. Dioctyltin dilaurate	-; -; 91648-39-4; 3648-18-8	2021/1/19
212	1,4-dioxane	123-91-1	2021/7/8
213	(1)2,2-bis(bromomethyl)propane1,3- diol (BMP); (2)2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol(TBNPA); (3)2,3-dibromo-1-propanol (2,3- DBPA)	(1)3296-90-0; (2)36483-57-5/ 1522-92-5; (3)96-13-9	2021/7/8
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers: (2R)-3-(4-tert-butylphenyl)-2- methylpropanal; 2-(4-tert- butylbenzyl)propionaldehyde; (2S)-3-(4-tert-butylphenyl)-2- methylpropanal	75166-31-3; 80-54-6; 75166-30-2	2021/7/8

#	Substance Name	CAS #	Published Date
215	4,4'-(1-methylpropylidene)bisphenol	77-40-7	2021/7/8
216	glutaral	111-30-8	2021/7/8
217	Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17	85535-85-9; 198840-65-2; 1372804-76-6; -	2021/7/8
218	orthoboric acid, sodium salt: boric acid (H3BO3), sodium salt, hydrate; Boric acid (H3BO3), disodium salt; Trisodium orthoborate; Boric acid, sodium salt; Orthoboric acid, sodium salt; Boric acid (H3BO3), sodium salt (1:1)	25747-83-5; 22454-04-2; 14312-40-4; 1333-73-9; 13840-56-7; 14890-53-0	2021/7/8
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP): Phenol, 4-dodecyl, branched ; 4-isododecylphenol ; Phenol, 4-isododecyl- ; Phenol, dodecyl-, branched ; Phenol, (tetrapropenyl) derivatives ; Phenol, tetrapropylene-	210555-94-5; 27459-10-5; 27147-75-7; 121158-58-5; 74499-35-7; 57427-55-1	2021/7/8
220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	1782069-81-1; 95342-41-9; 852541-25-4; 36861-47-9; 741687-98-9; 852541-30-1; 852541-21-0;	2022/1/17

#	Substance Name	CAS #	Published Date
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	2022/1/17
222	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2- ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	2022/1/17
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	2022/1/17
224	N-(hydroxymethyl)acrylamide	924-42-5	2022/6/10
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	2023/1/17
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	2023/1/17
227	4,4'-sulphonyldiphenol	80-09-1	2023/1/17
228	Barium diboron tetraoxide	13701-59-2	2023/1/17
229	**bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof:** Bis(2-ethylhexyl) tetrabromophthalate	26040-51-7	2023/1/17
230	Isobutyl 4-hydroxybenzoate	4247-02-3	2023/1/17
231	Melamine	108-78-1	2023/1/17
232	Perfluoroheptanoic acid and its salts: Sodium perfluoroheptanoate; Perfluoroheptanoic acid; potassium perfluoroheptanoate; Ammonium perfluoroheptanoate	20109-59-5; 375-85-9; 21049-36-5; 6130-43-4	2023/1/17
233	reaction mass of 2,2,3,3,5,5,6,6- octafluoro-4-(1,1,1,2,3,3,3- heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4- (heptafluoropropyl)morpholine	-	2023/1/17

Erion Energy

erion

Ecodom. Remedia.
Producer Responsibility

ATTESTATO DI ADESIONE 2023

per la gestione responsabile e sostenibile

dei Rifiuti di Pile e Accumulatori

ACER ITALY SRL
CF. 07951950158

è iscritto per l'anno 2023 a **Erion Energy**
per la corretta gestione dei Rifiuti di Pile e Accumulatori (RPA),
adempiendo così agli obblighi del **Decreto Legislativo 188/08.**

Erion Energy, Sistema Collettivo tra i più autorevoli e
riconosciuti a livello nazionale ed europeo, garantisce per **ACER ITALY SRL** che tali rifiuti
siano gestiti e riciclati in maniera corretta, tracciata
e ambientalmente responsabile, nel rispetto della normativa vigente
e seguendo alti standard europei di qualità.

Milano, 24/03/2023

Laura Castelli
Direttore Generale
Erion Energy

Laura Castelli

Erion Energy

erion

Ecodom. Remedia.
Producer Responsibility

CERTIFICATE OF REGISTRATION 2023

for responsible and sustainable management

of Waste Batteries and Accumulators

ACER ITALY SRL
TC. 07951950158

is registered for the year 2023 to **Erion Energy**
for a proper management of Waste Batteries and Accumulators,
thus fulfilling the obligations of the Italian **Legislative Decree 188/08.**

Erion Energy, one of the most authoritative collective schemes at national and European level, guarantees for **ACER ITALY SRL**
that such waste is properly managed and recycled, in a traced and environmentally responsible way, in compliance with the current legislation
and following the high European quality standards.

Milano, 24/03/2023

Laura Castelli
Direttore Generale
Erion Energy

Laura Castelli

Erion Weee

erion

Ecodom. Remedia.
Producer Responsibility

ATTESTATO DI ADESIONE 2023

per la gestione responsabile e sostenibile dei RAEE

ACER ITALY SRL
CF. 07951950158

per l'anno 2023 è Socio di **Erion WEEE**
per la gestione e lo smaltimento dei
Rifiuti da Apparecchiature Elettriche ed Elettroniche (RAEE),
adempiendo così agli obblighi del **Decreto Legislativo 49/2014**.

Erion WEEE, Sistema Collettivo tra i più autorevoli e
riconosciuti a livello nazionale ed europeo, garantisce per **ACER ITALY SRL** che tali rifiuti
siano gestiti e riciclati in maniera corretta, tracciata
e ambientalmente responsabile, nel rispetto della normativa vigente
e seguendo alti standard europei di qualità.

Milano, 24/03/2023

Giorgio Arienti
Direttore Generale
Erion WEEE

Erion Weee

erion

Ecodom. Remedia.
Producer Responsibility

CERTIFICATE OF PARTECIPATION 2023

for responsible and sustainable management

of Waste Electrical and Electronical Equipment

ACER ITALY SRL
TC. 07951950158

for the year 2023 is part of **Erion WEEE**
for a proper management of Waste Electrical and Electronical Equipment,
thus fulfilling the obligations of the Italian **Legislative Decree 49/2014.**

Erion WEEE, one of the most authoritative collective schemes at national and European level, guarantees for **ACER ITALY SRL**
that such waste is properly managed and recycled, in a traced and environmentally responsible way, in compliance with the current legislation
and following the high European quality standards.

Milano, 24/03/2023

Giorgio Arienti
Direttore Generale
Erion WEEE

Certificate of

Conformance

Energy Efficiency Certification

UL conducted an independent evaluation on behalf of:

Acer Incorporated

8F., No.88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City 22181, Taiwan

for the following products:

Integrated Desktop Computer

Brand:
acer

Model Name:
D20W4

Model Number:
1) VZ2592G, Veriton Z2592G
2) VZ2594G, Veriton Z2594G

This product meets all of the necessary qualifications pursuant to:

ENERGY STAR® Program Requirements Product Specification for Computers, Version 8.0 - Issue Date 2020/10/15

UL Energy Verified

2022-03-22
Certification Date

N/A
Certification Revision Date

Issued by

4790328901
UL Product Number

BUREAU VERITAS
Certification

ACER INCORPORATED

8F., NO.88, SEC.1, XINTAI 5TH RD., XIZHI, NEW TAIPEI CITY 221, TAIWAN

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

1. IT PRODUCTS BUSINESS, DIGITAL DISPLAY BUSINESS, SERVER PRODUCTS BUSINESS: DESIGN, MANUFACTURING, AND SUPPLY CHAIN MANAGEMENT, SALE, MARKETING AND SERVICE OF NOTEBOOKS, DESKTOPS, ALL-IN-ONE PCS, TABLET PCS, COMPUTER PERIPHERAL PRODUCTS, DISPLAYS, PROJECTORS, WORKSTATIONS, THIN CLIENTS, STORAGE SYSTEMS, AND SERVERS UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, PACKARD BELL®, AND ALTOS®.
2. CUSTOMER SERVICE, PRODUCT REPAIR, REPAIR PART SUPPORT, AND IT OUTSOURCING MANAGEMENT OF IT PRODUCTS, DIGITAL DISPLAY, AND SERVER PRODUCTS.
3. MANUFACTURE, PROCESSING, ASSEMBLY, TEST, PACKAGE, AND REPAIR OF ALL IN ONE COMPUTERS, CYCLING COMPUTERS, SMART WEARABLE DEVICES, APPLIED COMPUTING, ELECTRONIC DEVICES OF PET AND RELATED PERIPHERAL PRODUCTS.

Original cycle start date:	**29-November-2002**
Expiry date of previous cycle:	**NA**
Certification / Recertification Audit date:	**NA**
Certification / Recertification cycle start date:	**02-November-2020**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **01-November-2023**

Certificate No.: TWN4579327Q/E *Version:* ***02*** *Revision date:* ***29-October-2021***

UKAS MANAGEMENT SYSTEMS
0008

Certification body address: ***5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom***
Local office: ***3F-B, No.16, Nanjing E. Rd., Sec.4, Songshan District, Taipei 10553, Taiwan***

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check this certificate validity please call: **+886 2 2570 7655**

BUREAU VERITAS
Certification

ACER INCORPORATED

ISO 9001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
HEAD OFFICE	8F., NO.88, SEC.1, XINTAI 5TH RD., XIZHI, NEW TAIPEI CITY 221, TAIWAN	IT PRODUCTS BUSINESS, DIGITAL DISPLAY BUSINESS, SERVER PRODUCTS BUSINESS: DESIGN, MANUFACTURING, AND SUPPLY CHAIN MANAGEMENT, SALE, MARKETING AND SERVICE OF NOTEBOOKS, DESKTOPS, ALL-IN-ONE PCS, TABLET PCS, COMPUTER PERIPHERAL PRODUCTS, DISPLAYS, PROJECTORS, WORKSTATIONS, THIN CLIENTS, STORAGE SYSTEMS, AND SERVERS UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, PACKARD BELL®, AND ALTOS®.
HIGHPOINT SERVICE NETWORK CORPORATION	7F., NO.88, SEC.1, XINTAI 5TH RD., XIZHI, NEW TAIPEI CITY 221, TAIWAN	CUSTOMER SERVICE, PRODUCT REPAIR, REPAIR PART SUPPORT, AND IT OUTSOURCING MANAGEMENT OF IT PRODUCTS, DIGITAL DISPLAY, AND SERVER PRODUCTS.
ACER GADGET INC.	6F., NO. 125, WUGONG RD., WUGU DIST., NEW TAIPEI CITY 248, TAIWAN R.O.C.	MANUFACTURE, PROCESSING, ASSEMBLY, TEST, PACKAGE, AND REPAIR OF ALL IN ONE COMPUTERS, CYCLING COMPUTERS, SMART WEARABLE DEVICES, APPLIED COMPUTING, ELECTRONIC DEVICES OF PET AND RELATED PERIPHERAL PRODUCTS.

Certificate No.: TWN4579327Q/E *Version: 02* *Revision date:* ***29-October-2021***

UKAS MANAGEMENT SYSTEMS
0008

Certification body address: 5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom
Local office: ***3F-B, No.16, Nanjing E. Rd., Sec.4, Songshan District, Taipei 10553, Taiwan***

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check *this* certificate validity please call: **+886 2 2570 7655**

Bureau Veritas Certification

ACER INCORPORATED

NO. 88, SEC. 1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 14001:2015

Scope of certification

DESIGN, ASSEMBLY, SALES, MARKETING AND SERVICE OF THE INFORMATION COMMUNICATION TECHNOLOGY (ICT) RELATED PRODUCTS AND SERVICE UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, AND PACKARD BELL® BRANDS.

Original cycle start date:	25-02-2003
Expiry date of previous cycle:	31-10-2020
Certification / Recertification Audit date:	04-09-2020
Certification / Recertification cycle start date:	01-11-2020
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:	31-10-2023

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS
0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

Bureau Veritas Certification

ACER INCORPORATED

ISO 14001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
XIZHI OFFICE	NO.88, SEC.1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN	DESIGN, SALES, MARKETING AND SERVICE OF THE INFORMATION COMMUNICATION TECHNOLOGY (ICT) RELATED PRODUCTS AND SERVICE UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, AND PACKARD BELL® BRANDS.
ACER CYBER SECURITY INC.	8F., NO. 563, SEC. 4, ZHONGXIAO E. RD., XINYI DIST., TAIPEI CITY 110, TAIWAN	PROVISION OF INFORMATION SECURITY TECHNICAL SERVICE.
ACER E-ENABLING SERVICE BUSINESS INC.	9, 10F., NO. 6, SEC. 4, XINYI RD., DAAN DIST., TAIPEI CITY 106, TAIWAN	SALES OF HARDWARE AND SOFTWARE FOR ENTERPRISES, AND PROVISION OF TECHNICAL SERVICE OF APPLICATION DEVELOPMENT, SYSTEM INTEGRATION AND CLOUD SERVICE.
ACER E-ENABLING SERVICE BUSINESS INC. KAOHSIUNG OFFICE	22F.-1, NO. 366, BOAI 2ND RD., ZUOYING DIST., KAOHSIUNG CITY 813, TAIWAN	

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS

0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

Bureau Veritas Certification

ACER INCORPORATED

ISO 14001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
ACER E-ENABLING SERVICE BUSINESS INC. TAICHUNG OFFICE	21F.-6, NO. 201, SEC. 2, WENXIN RD., XITUN DIST., TAICHUNG CITY 407, TAIWAN	SALES OF HARDWARE AND SOFTWARE FOR ENTERPRISES, AND PROVISION OF TECHNICAL SERVICE OF APPLICATION DEVELOPMENT, SYSTEM INTEGRATION AND CLOUD SERVICE.
ACER E-ENABLING SERVICE BUSINESS INC. XHI-JI OFFICE	24F., (ACER BUILDING), NO.88, SEC.1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN	
ACER SYNERGY TECH CORP.	7F.-10, NO. 8, ZIQIANG S. RD., ZHUBEI CITY, HSINCHU COUNTY 302, TAIWAN	SALES OF ELECTRONIC AND COMMUNICATION DEVICES AND COMPONENTS.
FUXING OFFICE (SHAREHOLDERS SERVICE OFFICE)	7F.-5, NO. 369, FUXING N. ROAD, SONGSHAN DIST., TAIPEI CITY 105, TAIWAN	ADMINISTRATIVE SUPPORT ACTIVITIES: SHAREHOLDER SERVICE.
GUANGHUA SERVICE CENTER	1, 2F., NO. 54, SEC. 2, ZHONGXIAO E. RD., ZHONGZHENG DIST., TAIPEI CITY 100, TAIWAN	PROVISION OF ICT PRODUCTS AFTER SERVICE.

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS

0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

Bureau Veritas Certification

ACER INCORPORATED

ISO 14001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
KAOHSIUNG SERVICE CENTER	1, 2F., NO. 595, JIURU 2ND RD., SANMIN DIST., KAOHSIUNG CITY 807, TAIWAN	PROVISION OF ICT PRODUCTS AFTER SERVICE.
SONGXIN SERVICE CENTER	1F., NO. 163, SONGXIN RD., XINYI DIST., TAIPEI CITY 110, TAIWAN	
TAOYUAN SERVICE CENTER	NO. 215, SEC. 2, ZHONGYANG W. RD., ZHONGLI DIST., TAOYUAN CITY 320, TAIWAN	
HIGHPOINT SERVICE NETWORK CORPORATION	7F., (ACER BUILDING), NO.88, SEC.1, XINTAI 5TH RD., XIZHI DIST., NEW TAIPEI CITY 221, TAIWAN	PROVISION OF ICT RELATED PRODUCTS REPAIR SERVICE.
ISU SERVICE CORP.	7F.-10, NO. 8, ZIQIANG S. RD., ZHUBEI CITY, HSINCHU COUNTY 302, TAIWAN	PROVISION OF CONSULTANCY AND TECHNICAL SERVICE OF ICT PRODUCTS SYSTEM INTEGRATION.

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS
0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

BUREAU VERITAS

Bureau Veritas Certification

ACER INCORPORATED

ISO 14001:2015

Scope of certification

Site Name/Location	Site Address	Site Scope
SOUTH OFFICE	4F.-4, 6, NO. 38, XINGUANG RD., LINGYA DIST., KAOHSIUNG CITY 802, TAIWAN	SALES AND PROVISION OF ICT PRODUCTS AFTER SERVICE.
TAICHUNG BRANCH OFFICE AND TAICHUNG SERVICE CENTER	1F., NO. 371, SEC. 1, WENXIN RD., NANTUN DIST., TAICHUNG CITY 408, TAIWAN	
TAOYUAN DISTRIBUTION CENTER	1, 2F., NO. 28, NEIXIN RD., LUZHU DIST., TAOYUAN CITY 338, TAIWAN	ASSEMBLY AND WAREHOUSE CENTER OF THE INFORMATION COMMUNICATION TECHNOLOGY (ICT) RELATED PRODUCTS UNDER MULTIPLE BRANDS: ACER®, GATEWAY®, AND PACKARD BELL® BRANDS.
XINYI OFFICE	11F.-1, NO. 176, SEC. 1, KEELUNG RD., XINYI DIST., TAIPEI CITY 110, TAIWAN	PROVISION OF TECHNICAL SERVICE OF CLOUD SERVICE.

Certificate No.: TW005140 Version: 2 Issue Date: 28-10-2021

UKAS MANAGEMENT SYSTEMS

0008

Certification Body Address: 5th Floor, 66 Prescot Street, London, E1 8HG, United Kingdom

Local Office: 3F-B, No. 16, Nanjing E. Rd., Sec. 4, Songshan Dist., Taipei 10553, Taiwan

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +886 2 2570 7655

Declaration for REACH and POPs

Company: Acer Incorporated

Address: 8F, 88, Sec. 1, Xintai 5th Rd, Xizhi, New Taipei City 221, Taiwan, R.O.C

EU Importer: Acer Italy s.r.l.

Address: Viale delle Industrie 1/A, 20020 Arese (MI), Italy

Tel: +39-02-939-921, Fax: +39-02 9399-2913

This letter is to confirm all acer notebooks, desktops, All-in-one PCs, and monitors have been evaluated as compliant with Regulation (EC) 1907/2006 – Annex XIV candidate substance: SVHC (substances of very high concern), Annex XVII: substances restricted under REACH, and POP Regulation (EU) 2019/1021.

Signature: Angus Hsieh

Name: Angus Hsieh

Title: Director of Env. & Regulation Div.

Date: 5/26/2021

DICHIARAZIONE CE DI CONFORMITÀ

Noi,
Acer Incorporated
8F, 88, Sec. 1, Xintai 5th Rd., Xizhi,
New Taipei City 221, Taiwan
Referente: Signor RU Jan,e-mail: ru.jan@acer.com

Acer Italy s.r.l.
Viale delle Industrie 1/A, 20044 Arese (MI), Italy
Tel: +39-02-939-921,Fax: +39-02 9399-2913

Prodotto:	Personal computer	
Marchio depositato:	acer	
Numero del modello	D20W4	
Numero SKU	Veriton Z2592G**********	Veriton Z2594G**********
	VZ2592G**********	VZ2594G**********
	(* è “0-9”, “a-z”, “A-Z”, “-“, o vuoto)	

Noi, Acer Incorporated, con la presente dichiariamo sotto la nostra respponsabilità che il prodotto descritto in precedenza è conforme con legge di armonizzazione dell'Unione Europea pertinente: Direttiva 2014/53/UE sulle Apparecchiature radio, Direttiva RoHS 2011/65/UE e Direttiva ErP 2009/125/CE. Saranno applicati i seguenti standard armonizzati e/o standard pertinenti:

Compatibilità elettromagnetica (Direttiva 2014/30/UE)		
EN55032:2015+A11:2020	EN55035:2017+A11:2020	EN301489-1 V2.2.3
EN301489-17 V3.2.4	EN61000-3-2:2019	EN61000-3-3:2013+A1:2019
Utilizzo dello spetto in radio frequenza (Direttiva 2014/53/UE)		
EN300328 V2.2.2	EN300440 V2.2.1	EN301893 V2.1.1
draft EN303687 V0.0.13		
Salute e sicurezza (Direttiva 2014/35/UE)		
EN62368-1:2014	EN50566:2013 or EN62311:2008	
RoHS (Direttiva 2011/65/UE)		
EN IEC63000:2018		
ErP (Direttiva 2009/125/CE)		
(EU) No.2019/1782; EN50563:2011	(EU) No.617/2013	

Modello apparecchiatura radio: AX211NGW,AX201NGW,
Frequenza di utilizzo e potenza di radiofrequenza sono elencati di seguito
[Bluetooth] 2402-2480MHz <10 dBm [WLAN] 2412MHz-2472MHz <20dBm, 5150-5350, 5470-5725, 5725-5850, 5925-6425MHz <23dBm
NB: 1177 TIMCO Engineering Inc. License Nr: E1177-221507 (for AX211NGW)

L’anno di inizio applicato è marchiato CE:2022 RU Jan, Sr.Manager@Taipei 2022-06-28

Nota: aprire il menu [Start] (Start) e cercare ‘Documenti Acer’ per assistenza nell’impostazione di una connessione di rete, l’uso del touchpad e altre informazioni importanti per la salute e la sicurezza.

ENERGY STAR CERTIFIED
Computers

Samsung - SM-P613 : SM-P613

Specifications

ENERGY STAR Unique ID:	2394931
Brand Name:	Samsung
Model Name:	SM-P613
Model Number:	SM-P613
Type:	Slate/Tablet
Category 2: Processor Brand:	Other
Category 2: Processor Name:	SM-7125-AB(SDM720G)
Category 2: Base Processor Speed Per Core (GHz):	2.3
Category 2: Physical CPU Cores (count):	8
Category 2: System Memory (GB):	4.0
Category 2: Off Mode (watts):	0.1
Category 2: Sleep Mode (watts):	0.2
Category 2: Long Idle (watts):	0.2
Category 2: Short Idle (watts):	2.1
Category 2: Base TEC Allowance (kWh):	14
Category 2: Functional Adder Allowances (kWh):	10.0
Category 2: TEC of Model (kWh):	6.4
Notebooks, Desktops, Integrated Computers, Slate/Tablets, Two-in-one Notebooks, and Portable All-in-ones Category for TEC (Typical Energy Consumption) Criteria:	2
Category 2: Operating System Name:	Android
Sleep Mode Default Time Upon Shipment (min.):	10
Display Sleep Mode Default Time Upon Shipment (min.):	1
Will the Speed of Any Active 1 GB/s or Higher Ethernet Network Links be Reduced to Less Than 1 GB/s When Transitioning to Sleep or Off Mode?:	No
Ethernet Capability:	No
Touch Screen:	Yes
Date Available On Market:	2022-04-19
Date Certified:	2022-04-20

Markets:	United States, Switzerland, Taiwan, Canada
ENERGY STAR Certified:	Yes

Additional Model Information

UPC Codes	887276661209

Captured On:
08/25/2023