

January 18, 2018

ROHS / RoHS 2 EU / RoHS 3

APTOS Technology, Inc. passed compliance under the guidelines under RoHS 2 Directive 2011/65/EU, which published in July 2011 by the European Commission. APTOS Technology, Inc. completed ROHS Compliance Directive 2002/95/EC prior to July 1, 2006 per originated in the European Union which restricts the use of specific hazardous materials found in electrical and electronic products.

RoHS 2 currently restricts 10 hazardous substances in EEE and they are included in the Annex II of the Directive 2011/65/EU. Specific product RoHS2 Certificates of Compliance are available on request.

The substances banned under RoHS are lead (Pb), mercury (Hg), cadmium (Cd), hexavalent chromium (CrVI), polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), and four different phthalates (DEHP, BBP, BBP, DIBP).

- Cadmium (Cd): 0.01%
- Mercury(Hg): 0.1%
- Lead (Pb): 0.1% per EU Directive 2011/65/EU, Exemption 6c, copper alloys may contain up to 4% Lead.
- Hexavalent chromium (Cr6+) : 0.1%
- Polybrominated biphenyls (PBBs): 0.1 %
- Polybrominated diphenyl ethers (PBDEs): 0.1 %, including Deca-BDE (0.1%)
- Bis(2-Ethylhexyl) phthalate (DEHP): 0.1% (added in 2015)
- Benzyl butyl phthalate (BBP): 0.1% (added in 2015)
- Dibutyl phthalate (DBP): 0.1% (added in 2015)
- Diisobutyl phthalate (DIBP): 0.1% (added in 2015)

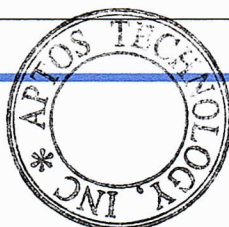
REACH / SVHC

APTOS Technology, Inc. confirms the following listed product series comply with the restrictions of SVHC (Substances of Very High Concern) in (EC) 1907/2006 (REACH – Registration, Evaluation, Authorization, and Restriction of Chemicals) regulated by the European Union. REACH requires our factories to provide sufficient information on Substances of Very High Concern (SVHC) contained in articles of a concentration above 0.1% weight by weight (w/w). REACH SVHC list is not a static list and it is updated frequently. Up to 16 Jan 2018, there are 181 substances on the SVHC candidate list. The Candidate List of substances of very high concern may be viewed at <https://echa.europa.eu/candidate-list-table>. REACH is monitored by the ECHA and deals with 38 chemicals currently.

Item #	Substance Name	CAS No.	EC No.
1	Diaminodiphenyl-methane	101-77-9	202-974-4
2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4
3	Alkanes, C10-13 chloro (short chain chlorinated paraffin's)	85535-84-8	287-476-5
4	Anthracene	120-12-7	204-371-1
5	Diarsenic pentoxide	1303-28-2	215-116-9
6	Diarsenic trioxide	1327-53-3	215-481-4
7	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0
8	Bis(tributyltin)oxide	56-35-9	200-268-0
9	Butyl benzyl phthalate	85-68-7	201-622-7



10	Cobalt dichloride	7646-79-9	231-589-4
11	Dibutyl phthalate	84-74-2	201-557-4
12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (-HBCDD, -HBCDD, -HBCDD)	25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)	247-148-4 221-695-9
13	Lead hydrogen arsenate	7784-40-9	232-064-2
14	Sodium dichromate	7789-12-0	234-190-3
15	Triethyl arsenate	15606-95-8	427-700-2
16	Anthracene oil	90640-80-5	292-602-7
17	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2
21	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2
22	2,4-Dinitrotoluene	121-14-2	204-450-0
23	Lead chromate	7758-97-6	231-846-0
24	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7
26	Acrylamide	79-06-1	201-173-7
27	Coal tar pitch, high temperature	65996-93-2	266-028-2
28	tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5
29	Aluminosilicate, Refractory Ceramic Fibres	Index number 650-017-00-8	Index number 650-017-00-8
30	Zirconia Aluminosilicate, Refractory Ceramic Fibres	Index number 650-017-00-8	Index number 650-017-00-8
31	Trichloroethylene	79-01-6	202-974-4
32	Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4
33	Disodium tetraborate, anhydrous	1303-96-4 1330-43-4 12179-04-3	215-540-4
34	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3
35	Sodium chromate	11/3/7775	231-889-5
36	Potassium chromate	7789-00-6	232-140-5
37	Ammonium dichromate	9/5/7789	232-143-1
38	Potassium dichromate	7778-50-9	231-906-6



WEEE

APTOS Technology, Inc. an environmentally-safe recycling corporation on board with recovery and recycling of electric and electronic equipment applicable products. RoHS regulates the hazardous substances used in electrical and electronic equipment, while WEEE regulates the disposal of this same equipment.

Jonathan Ramos

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Environmental Compliance

APTOS Technology, Inc.

