

Applicant Shenzhen Wins Novelty Co.,Ltd

Address 2F,Building 30,Chen Tian industrial park,bao min second road, xi xiang,Bao an district,
Shen zhen, China

Manufacturer Shenzhen Wins Novelty Co.,Ltd

Address 2F,Building 30,Chen Tian industrial park,bao min second road, xi xiang,Bao an district,
Shen zhen, China

The following sample(s) was /were submitted and identified on behalf of the clients as :

Sample Name: Head Up Display

Model Name: A8

Trade Name: N/A

Sample Received Date: June 7, 2021

Testing Period: June 8, 2021- June 11, 2021

Report Date: June 15, 2021

Test Requested: Selected test (s) in the selected parts as requested by client with the RoHS 2.0 Directive (EU) 2015/863 and (EU)2017/2102 amending Annex II to Directive 2011/65/EU on the restriction of hazardous substances.

Test Method Please refer to next page(s).

Test Result Please refer to next page(s).

Test conclusion: Based upon the performed tests by submitted samples, the test results comply with the limits of the RoHS 2.0 Directive (EU) 2015/863 and (EU)2017/2102 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of

Vivian Jiang
Technical Director

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Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
01	Shell	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC62321-7-2:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
02	Screw	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC62321-7-1:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000

Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
03	Sticker	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	5.92	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC62321-7-2:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
04	USB interface	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	5.12	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	3.52	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC62321-7-1:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000

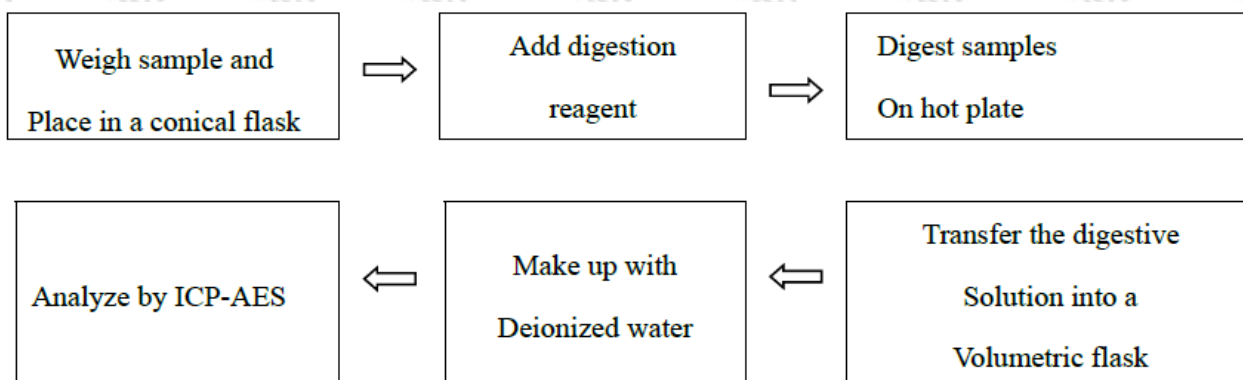
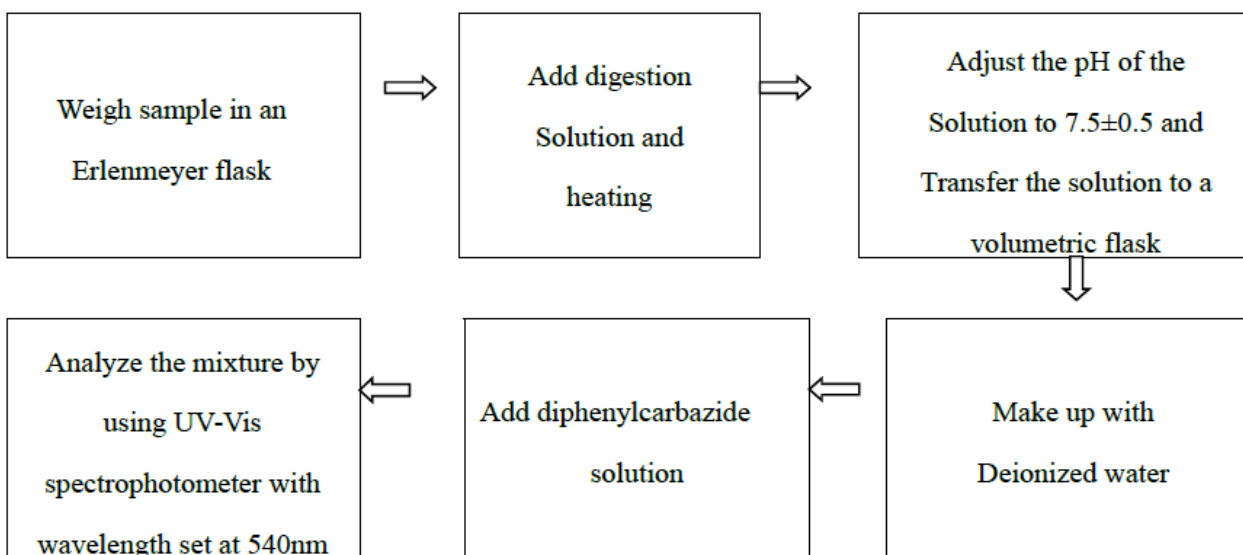
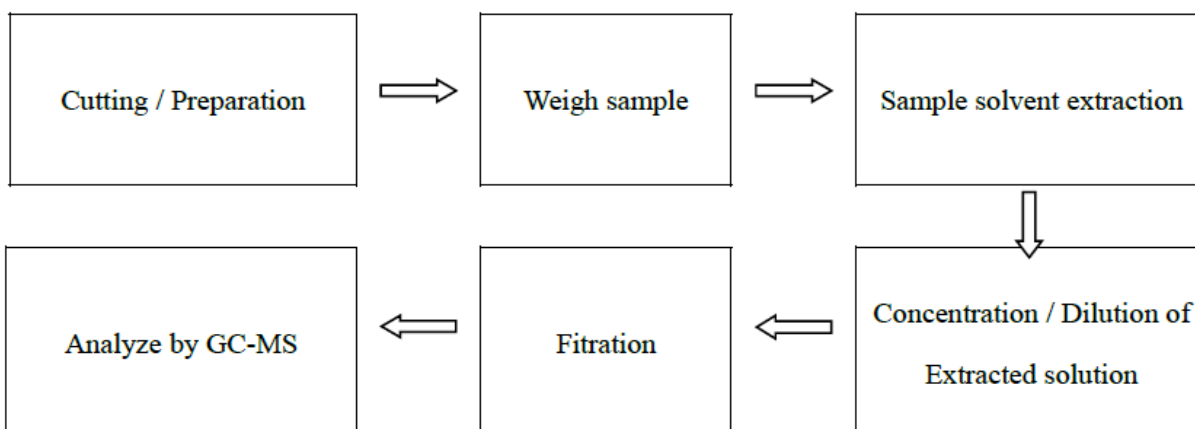
Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
05	Switch	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC62321-7-2:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
06	White plastic	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	3.23	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC62321-7-2:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000

Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
07	Beads	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC62321-7-2:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
08	PCB	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC62321-7-2:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000

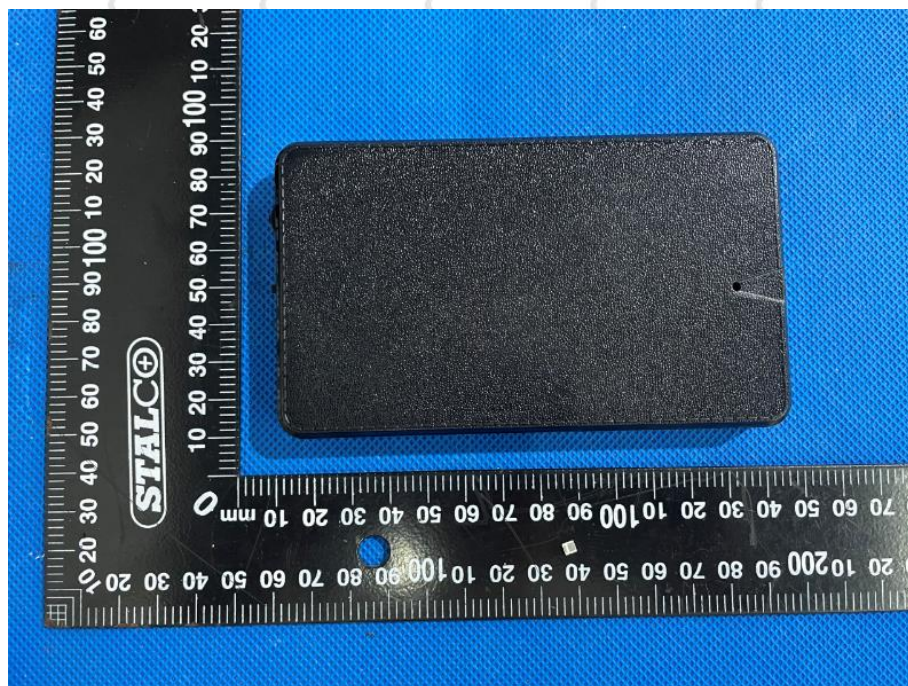
Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
09	Solder	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(Cr)	mg/kg	IEC62321-7-1:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
		Benzylbutyl Phthalate	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
		Di-(2-ethylhexyl)	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
		Diisobutyl phthalate	mg/kg	IEC62321-8:2017, GC-MS	--	30	1000
10	Data line	Cadmium(Cd)	mg/kg	IEC62321-5:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC62321-5:2013 ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC62321-4:2017, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(Cr)	mg/kg	IEC62321-7-2:2017, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC62321-6:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl)	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000
		Diisobutyl phthalate	mg/kg	IEC62321-8:2017, GC-MS	N.D.	30	1000

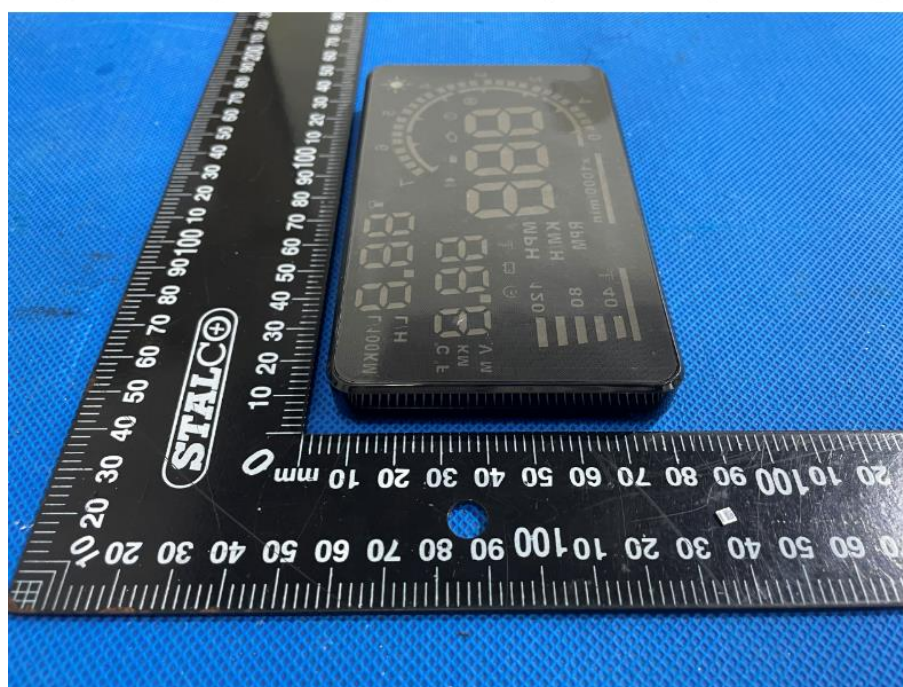
Note:

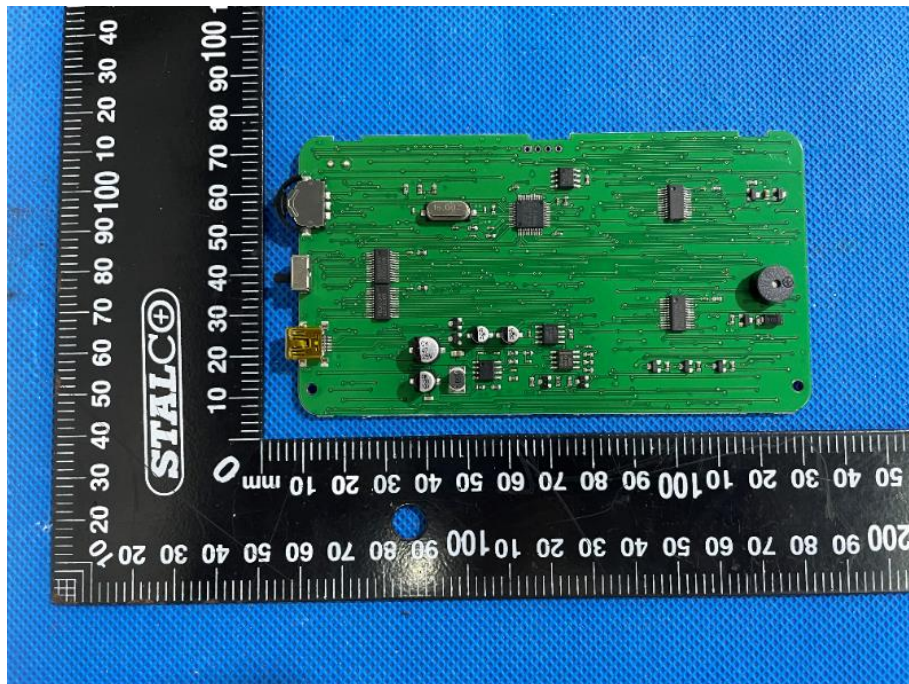
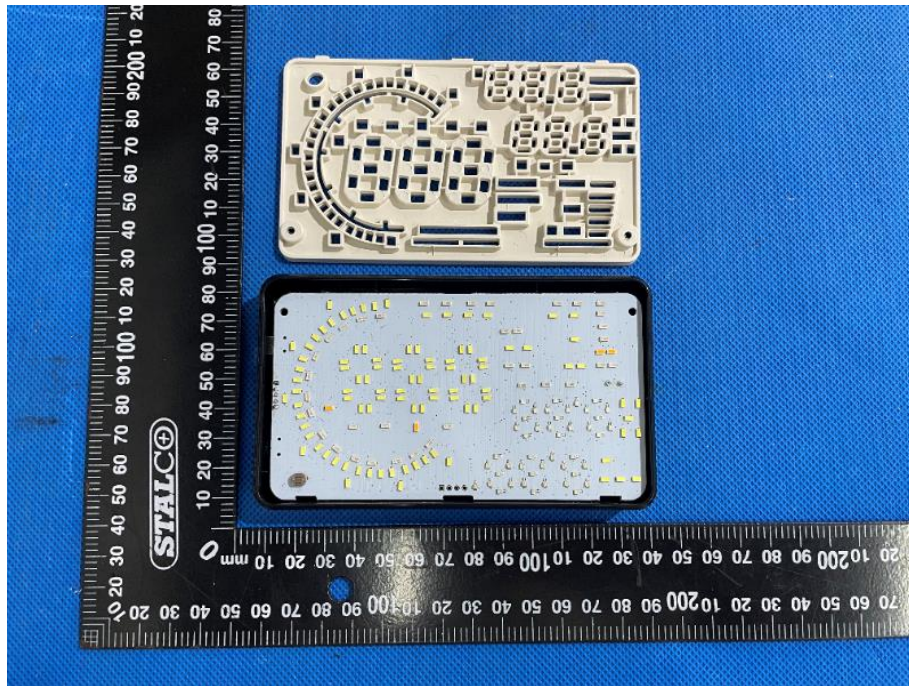
1. mg/kg= ppm
2. N.D. = No Detection (<MDL)
3. MDL = Method Detection Limit
4. -- = No Testing

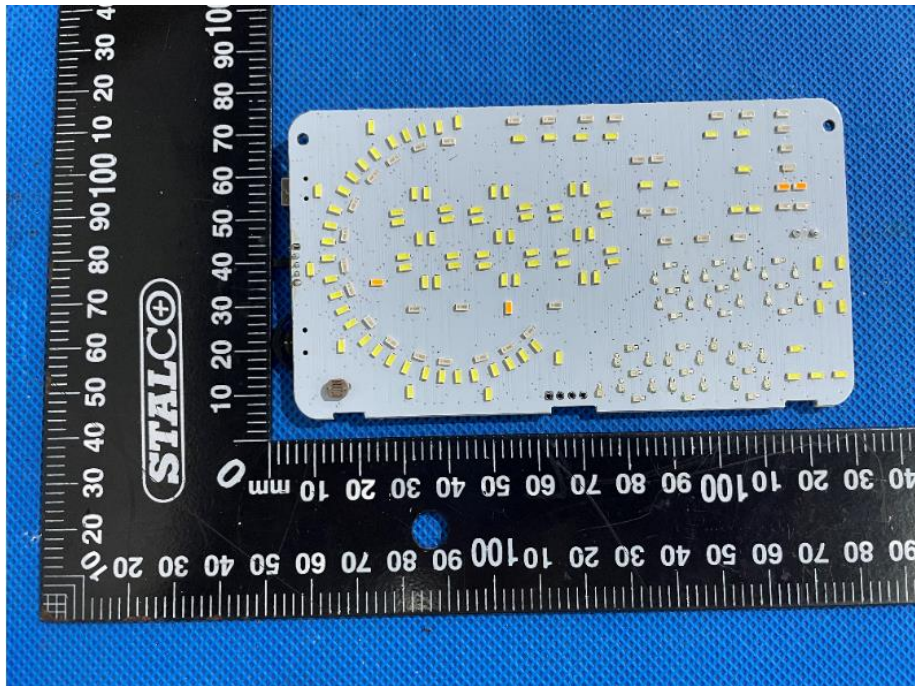
Test Process:
1. Test for Cd/Pb /Hg

2. Test for Chromium (VI) Content

3. Test for PBBs/PBDES/DIBP/DBP/BBP/DEHP Content


Sample photo:









END OF REPORT