

Applicant Shenzhen Wins Novelty Co.,Ltd.
Address 2F, Building 30, Chentian Industrial Zone, Baomin 2nd Road, Xixiang, Baoan District, Shenzhen

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

Sample Name: Car Head Up Display
Model Name: P17
Sample Received Date: December 25, 2019
Testing Period: December 25, 2019- December 30, 2019
Test Requested: Selected test (s) in the selected parts as requested by client with the RoHS 2.0 Directive (EU) 2015/863 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 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of

Lemon.Rao
Technical Director

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Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
01	PCB	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	34.95	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	30.69	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
02	USB line	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	4.19	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	17.80	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	2.92	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000

Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
03	Screw	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	--	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	EN14732:2004, GC-MS	--	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14732:2004, GC-MS	--	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	EN14732:2004, GC-MS	--	30	1000
04	Shell	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000

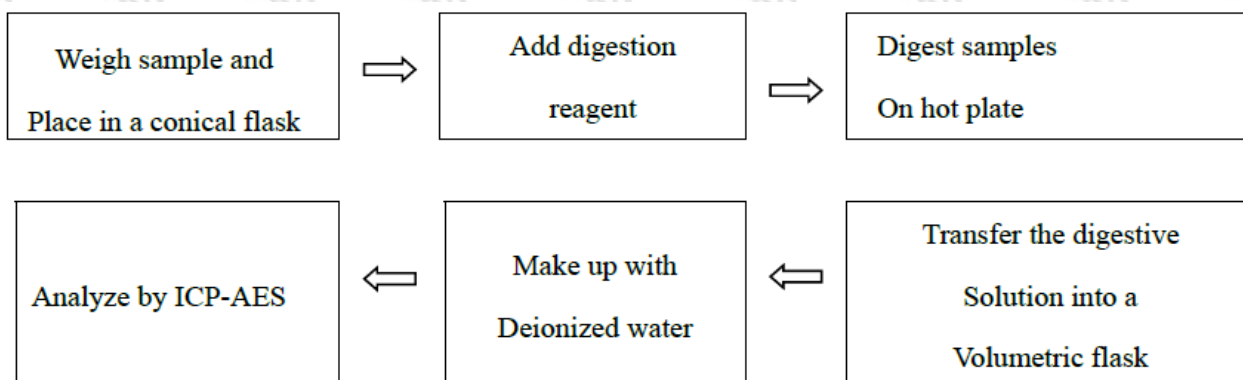
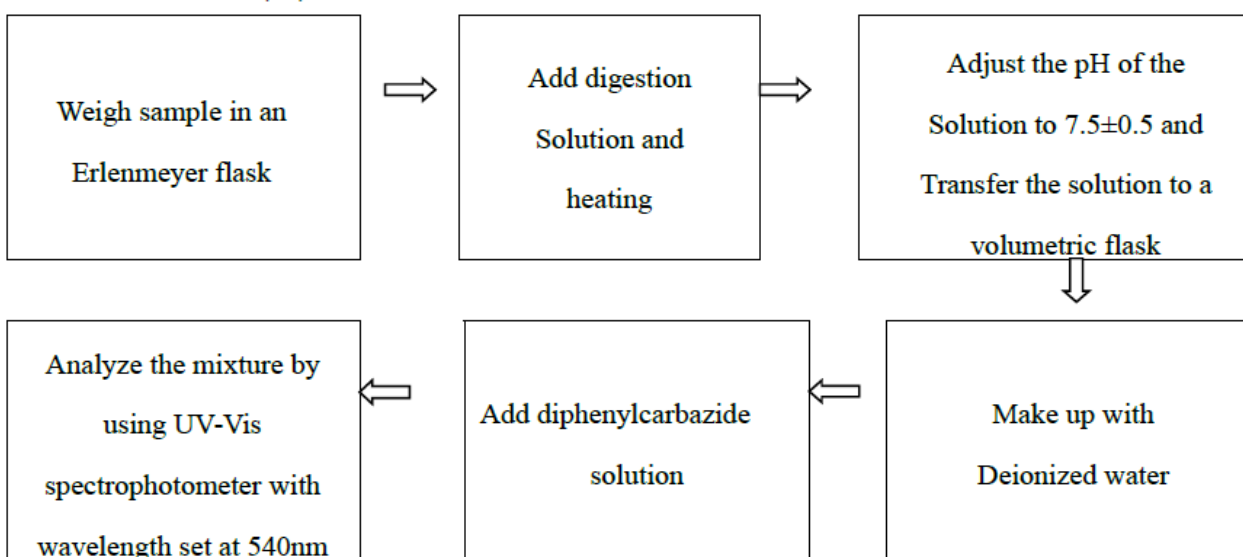
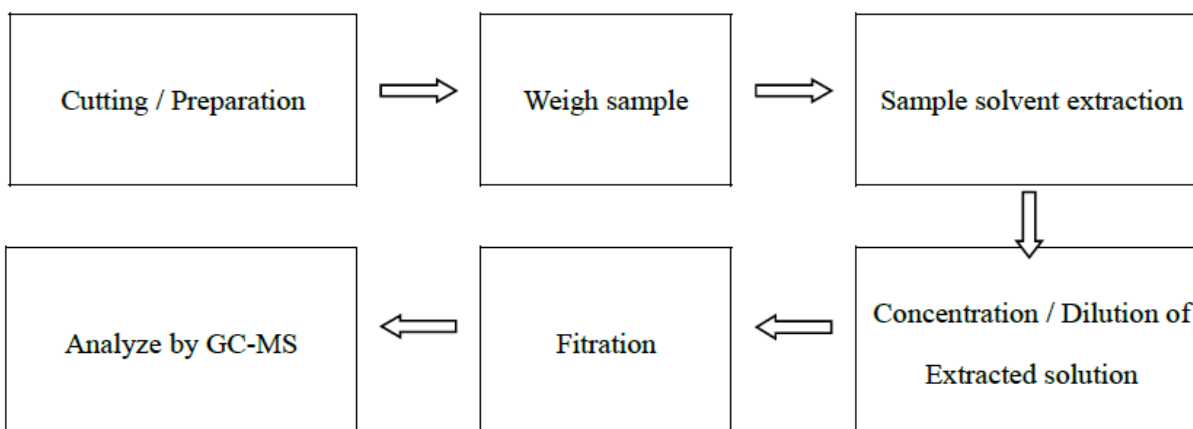
Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
05	Switch	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
06	Button	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000

Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
07	USB line Connector	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	4.07	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	6.01	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
08	White plastic	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(CrVI)	mg/kg	IEC 62321:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate (BBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Diisobutyl phthalate (DIBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000

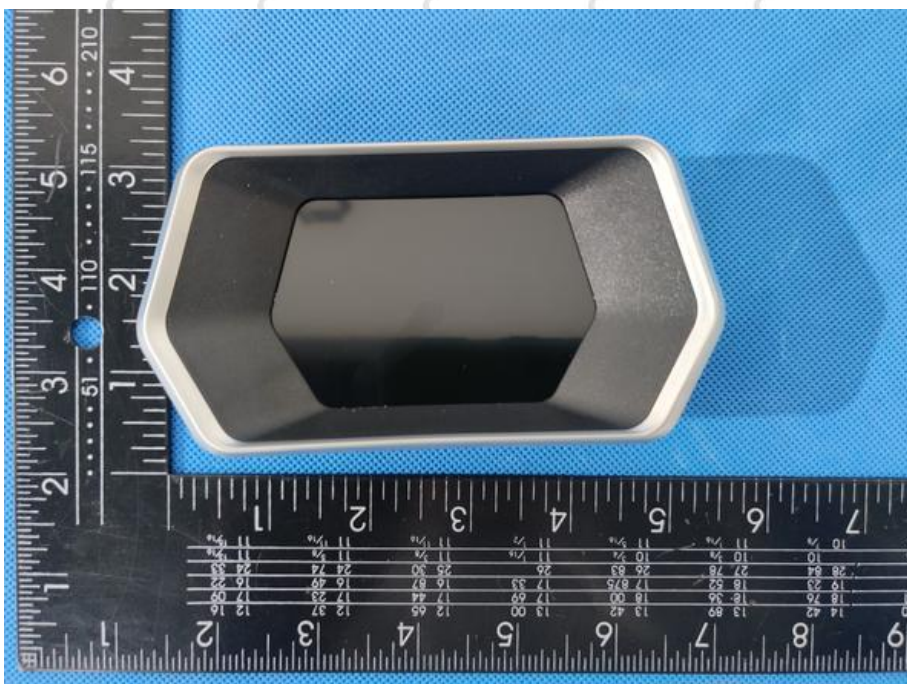
Sample No.	Components	Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
09	Soft circuit	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(Cr)	mg/kg	IEC 62321:2015, UV-Vis	N.D.	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Diisobutyl phthalate	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
10	Screen	Cadmium(Cd)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	100
		Lead(Pb)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Mercury(Hg)	mg/kg	IEC 62321:2013, ICP-AES	N.D.	2	1000
		Hexavalent Chromium(Cr)	mg/kg	IEC 62321:2015, UV-Vis	2.34	2	1000
		Sum of PBBs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Sum of PBDEs	mg/kg	IEC 62321:2015, GC-MS	N.D.	--	1000
		Dibutyl Phthalate(DBP)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Benzylbutyl Phthalate	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Di-(2-ethylhexyl)	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000
		Diisobutyl phthalate	mg/kg	EN14732:2004, GC-MS	N.D.	30	1000

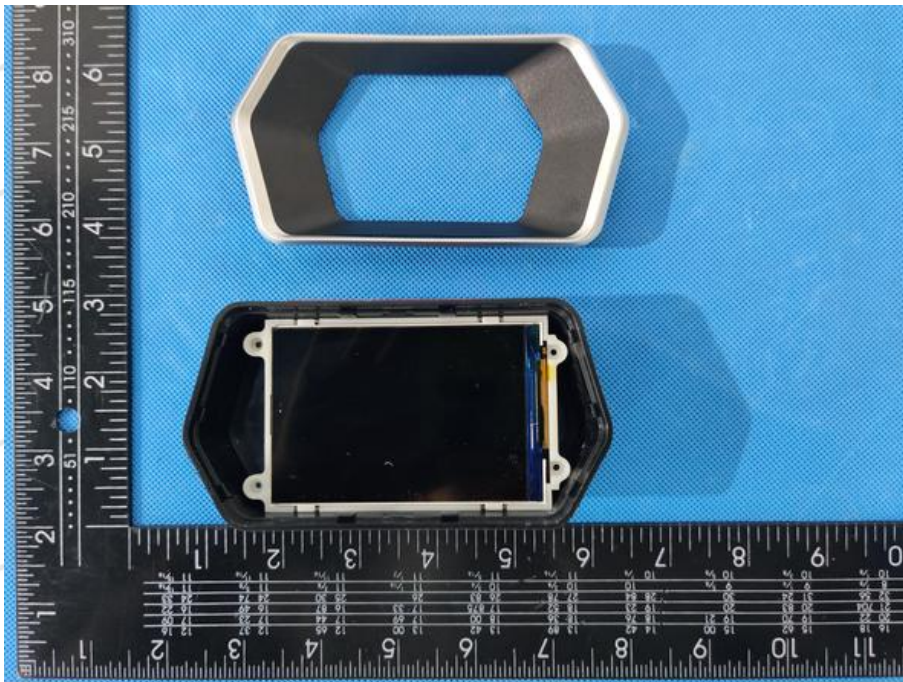
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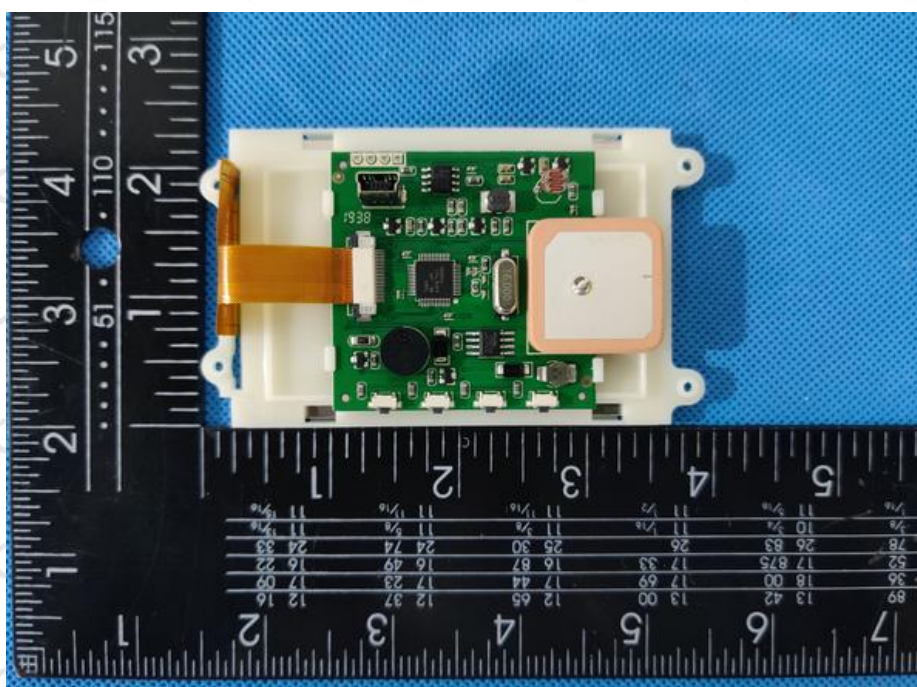
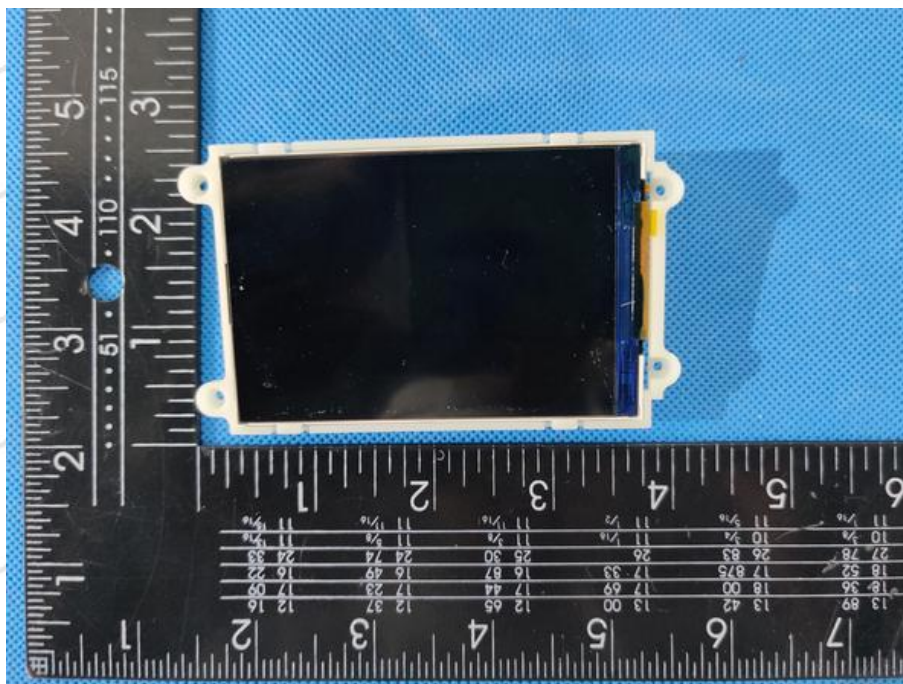
1. mg/kg= ppm
2. N.D. = No Detection (<MDL)
3. MDL = Method Detection Limit
4. -- = No Testing

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