元素检测
Element Testing

Test Report

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Applicant:	SHENZHEN YUNQIU TRADE TECHNOLOGY CO..LTD
Address:	No.20-2, Gangtou Road, No.3 Building, Central Asia Silicon Valley, Pokgang Community, Shajing Street, Shajing Town, Bao'an District, Shenzhen, China

The following sample was submitted and identified by/on behalf of the client as:

Product Name:	BD-PR0XT
Model No.:	XT35, XT37, XT55
Manufacturer:	SHENZHEN YUNQIU TRADE TECHNOLOGY CO..LTD
Address:	No.20-2, Gangtou Road, No.3 Building, Central Asia Silicon Valley, Pokgang Community, Shajing Street, Shajing Town, Bao'an District, Shenzhen, China
Sample Received Date:	2026.3.4
Testing Period:	2026.3.4—2026.3.11
Test Method:	Please refer to the following page(s).
Test Result(s):	Please refer to the following page(s).

Test Requested	**Result**
As specified by client, according to RoHS Directive 2011/65/EU with amendment (EU) 2015/863, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr (VI)), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), Phthalates (DBP, BBP, DEHP, DIBP) in the tested materials of the submitted sample(s).	Pass

Signed for and on behalf of

Shenzhen Element Testing Co., Ltd.

Noel Yin

Noel Yin

Technical Manager

SHENZHEN ELEMENT TESTING CO., LTD.

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Tested Result:

1. Screening Result

With reference to IEC 62321-3-1:2013, by XRF

Spec. No.	Specimen Description:	Results						Date of sample submission /Resubmission
		Pb	Cd	Hg	Cr▼	Br▼		
						PBB	PBDE	
1	White plastic	BL	BL	BL	BL	BL	BL	2026-03-06
2	Black adhesive plastic	BL	BL	BL	BL	BL	BL	2026-03-06
3	White plastic	BL	BL	BL	BL	BL	BL	2026-03-06
4	Black adhesive plastic	BL	BL	BL	BL	BL	BL	2026-03-06
5	White plastic	BL	BL	BL	BL	BL	BL	2026-03-06
6	Black adhesive plastic	BL	BL	BL	BL	BL	BL	2026-03-06

2. Test result for Chemical Confirmation

(1) The test results of DBP, BBP, DEHP and DIBP

With reference to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Item	Unit	MDL	Results		Limit
			1+3+5	2+4+6	
Dibuyl Phthalate (DBP)	mg/kg	250	ND	ND	1000
Benzylbutyl Phthalate (BBP)	mg/kg	250	ND	ND	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	mg/kg	250	ND	ND	1000
Diispbutyl phthalate (DIBP)	mg/kg	250	ND	ND	1000

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Note:

(1) Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), Vis (for Cr (VI)) and GC-MS (for PBB, PBDE) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ<X <130+3σ≤OL	BL≤70-3σ<X <130+3σ≤OL	LOD<X<150+3σ≤OL
Pb	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ<X	BL≤700-3σ<X	BL≤500-3σ<X
Br	mg/kg	BL≤300-3σ<X	NA	BL≤250-3σ<X

(2) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

(3) This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g., plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis is required to obtain quantitative data.

(4) The maximum permissible limit is quoted from the document 2015/863/EU amending RoHS directive 2011/65/EU:

(5) ▼=For restricted substances PBB and PBDE, the results show the total Br content; The restricted substance was Cr (VI), and the results showed the total Cr content

(6) BL =Below Limit
LOD = Limits of detection
OL =Over Limit
X =Inconclusive
3σ= The reproducibility of analytical instruments
NA= Not applicable
MDL = Method Detection Limit
mg/kg = ppm=parts per million
ND=Not Detected (<MDL or LOQ)

(7) # = a. The sample is positive for Cr (VI) if the Cr (VI) concentration is greater than 0.13ug/cm^2. The sample coating is considered to contain Cr (VI)

b. The sample is negative for Cr (VI) if Cr (VI) is ND (concentration less than 0.10ug/cm^2). The sample coating is considered a non- Cr (VI) based coating

c. The result between 0.10μg/cm^2 and 0.13μg/cm^2 is considered to be inconclusive, unavoidable coating variations may influence the determination

(8) Information on storage conditions and production date of the tested samples is unavailable and this Cr (VI) results represent status of the sample at the time of testing

(9) According to the client's statement,

①RoHS Exemption: 6(a)-I an alloying element in steel for machining purposes containing up to 0.35 % lead by weight and in galvanized steel containing up to 0.20 % lead by weight.

②RoHS Exemption: 6(b)-II Aluminum alloy for machining purposes containing up to 0.4% lead by weight.

③RoHS Exemption: 6(c), Copper alloy containing up to 4 % lead by weight.

④RoHS Exemption: 7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g., piezoelectronic devices, or in a glass or ceramic matrix compound

(10) (R)=Re-submitted sample.

(11) "+" =Composite test has been performed as per client's request and the result(s) is (are) calculated using the minimum specimen weight.

(12) The test report is only used for the purpose of customer research, teaching, internal quality control, product development and other purposes, and is for internal reference only.

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Photo(s) of the sample(s)











***** End of Report *****

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