



TEST REPORT

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REPORT No.:CTB26031614602C01

Applicant's name: NEO Smart Technology (GuangDong) Co., LTD
Address: Floor 7, 8, 9, 10, Building 28, No. 29, Licheng Industrial Avenue, Shuikou Street, Huicheng District, Huizhou City

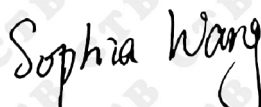
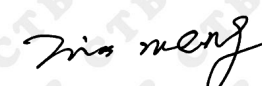
Manufacturer: NEO Smart Technology (GuangDong) Co., LTD
Address: Floor 7, 8, 9, 10, Building 28, No. 29, Licheng Industrial Avenue, Shuikou Street, Huicheng District, Huizhou City

The following samples were submitted and identified on behalf of the clients as:

Test item description: Smart Human Presence and Illumination Sensor
Trademark(s): NEO
Model/Type reference: NAS-PS10W6-1、NAS-PS10W6-2、NAS-PS10W6-3、NAS-PS10B2-1、NAS-PS10B2-2、NAS-PS10B2-3
Sample received date: Mar. 18, 2026
Testing period: Mar. 18, 2026 to Mar. 26, 2026
Test Method: Please refer to next page(s).
Test Result: Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
European Directive 2011/65/EU and amendment (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment & EN IEC 63000:2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances	PASS

Tested By: 	Check By: 	Approve By: 
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Date: Mar. 27, 2026

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Test Method:

A. Screening test by XRF spectroscopy

XRF screening limits for regulated elements according to IEC 62321-3-1:2013

Element	Screening limit / mg/kg		MDL	
	Polymers and metals	Composite material	Polymers	Other material
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma)$ $\leq OL$	10mg/kg	50mg/kg
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma)$ $\leq OL$	$BL \leq (50-3\sigma) < X < (150+3\sigma)$ $\leq OL$	10mg/kg	50mg/kg
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma)$ $\leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma)$ $\leq OL$	10mg/kg	50mg/kg
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$	10mg/kg	50mg/kg
Br	$BL \leq (300-3\sigma) < X$ (non-metal only)	$BL \leq (250-3\sigma) < X$	10mg/kg	50mg/kg

B. Chemical Test

Test Item(s)	Test Method	Analysis Equipment(s)	MDL	Limit
Lead (Pb)	IEC 62321-5:2013	ICP-OES	2 mg/kg	1000mg/kg
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	2 mg/kg	100mg/kg
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000mg/kg
Hexavalent Chromium Cr(VI)	IEC 62321-7-1:2015	UV-VIS	--	1000mg/kg
	IEC 62321-7-2:2017		10mg/kg	1000mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	10mg/kg	1000mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	10mg/kg	1000mg/kg
Phthalate	IEC 62321-8:2017	GC-MS	30mg/kg	1000mg/kg

Tested material list

No.	Description	Photo(s) of tested material
1	White plastic	
2	White plastic	
3	White rubber	
4	Transparent plastic sheet	
5	Purple plastic sheet	
6	Green plastic	
7	Black rubber	
8	Black plastic	
9	IC	
10	Black plastic	
11	Blue capacitor	
12	Diode	
13	White PCB	
14	Solder point	
15	Blue PCB	
16	Solder point	
17	White PCB	
18	Solder point	
19	Red light bead	
20	Transparent light bead	

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21	Diode	
22	Brown capacitor	
23	Wet paper	
24	IC	
25	IC	
26	Black plastic	
27	SMD resistor	
28	Black plastic sleeve	
29	Green resistor	
30	Gray inductor	
31	Crystal oscillator	
32	White plastic sheath	
33	Silver metal spring	
34	Silver metal case	
35	Silver metal	
36	Golden metal	
37	Silver metal	
38	Silver metal screw	

Note: test samples were specified by applicant.

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Test Result(s):

No.	XRF screening Result					Chemical confirm Result (mg/kg)	Remark	Conclusion
	Pb	Cd	Hg	Cr	Br			
1	BL	BL	BL	BL	BL	---	---	PASS
2	BL	BL	BL	BL	BL	---	---	PASS
3	BL	BL	BL	BL	BL	---	---	PASS
4	BL	BL	BL	BL	BL	---	---	PASS
5	BL	BL	BL	BL	BL	---	---	PASS
6	BL	BL	BL	X	BL	Cr ⁶⁺ : N.D	---	PASS
7	BL	BL	BL	BL	BL	---	---	PASS
8	BL	BL	BL	BL	BL	---	---	PASS
9	BL	BL	BL	BL	BL	---	---	PASS
10	BL	BL	BL	BL	BL	---	---	PASS
11	BL	BL	BL	BL	BL	---	---	PASS
12	BL	BL	BL	BL	BL	---	---	PASS
13	BL	BL	BL	BL	X	PBBs: N.D PBDEs: N.D	---	PASS
14	BL	BL	BL	X	NA	Cr ⁶⁺ : Negative	---	PASS
15	BL	BL	BL	BL	X	PBBs: N.D PBDEs: N.D	---	PASS
16	BL	BL	BL	BL	NA	---	---	PASS
17	BL	BL	BL	BL	X	PBBs: N.D PBDEs: N.D	---	PASS
18	BL	BL	BL	BL	NA	---	---	PASS
19	BL	BL	BL	BL	BL	---	---	PASS
20	BL	BL	BL	BL	BL	---	---	PASS
21	BL	BL	BL	BL	BL	---	---	PASS
22	BL	BL	BL	BL	BL	---	---	PASS
23	BL	BL	BL	BL	BL	---	---	PASS
24	BL	BL	BL	BL	X	PBBs: N.D PBDEs: N.D	---	PASS
25	BL	BL	BL	BL	BL	---	---	PASS

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26	BL	BL	BL	BL	BL	---	---	PASS
27	BL	BL	BL	X	BL	Cr ⁶⁺ : N.D	---	PASS
28	BL	BL	BL	BL	BL	---	---	PASS
29	BL	BL	BL	BL	BL	---	---	PASS
30	BL	BL	BL	BL	BL	---	---	PASS
31	BL	BL	BL	BL	NA	---	---	PASS
32	BL	BL	BL	BL	BL	---	---	PASS
33	BL	BL	BL	X	NA	Cr ⁶⁺ : Negative	---	PASS
34	BL	BL	BL	BL	NA	---	---	PASS
35	BL	BL	BL	BL	NA	---	---	PASS
36	BL	BL	BL	BL	NA	---	---	PASS
37	BL	BL	BL	X	NA	Cr ⁶⁺ : Negative	---	PASS
38	BL	BL	BL	BL	NA	---	---	PASS

Test Item(s)	Dibutyl Phthalate (DBP) (mg/kg)	Benzylbutyl Phthalate (BBP) (mg/kg)	Bis-(2-ethylhexyl) Phthalate (DEHP) (mg/kg)	Diisobutyl phthalate (DIBP) (mg/kg)	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	
Limit	1000	1000	1000	1000	
No.	Result (mg/kg)				
1+2	N.D	N.D	N.D	N.D	PASS
3+7	N.D	N.D	N.D	N.D	PASS
4	N.D	N.D	N.D	N.D	PASS
5	N.D	N.D	N.D	N.D	PASS
8	N.D	N.D	N.D	N.D	PASS
23	N.D	N.D	N.D	N.D	PASS
28	N.D	N.D	N.D	N.D	PASS
32	N.D	N.D	N.D	N.D	PASS
6+9 +10+11+12	N.D	N.D	N.D	N.D	PASS
13+15+ 17+19+20	N.D	N.D	N.D	N.D	PASS

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21+22 +24+25+26	N.D	N.D	N.D	N.D	PASS
27+29	N.D	N.D	N.D	N.D	PASS

Remark:

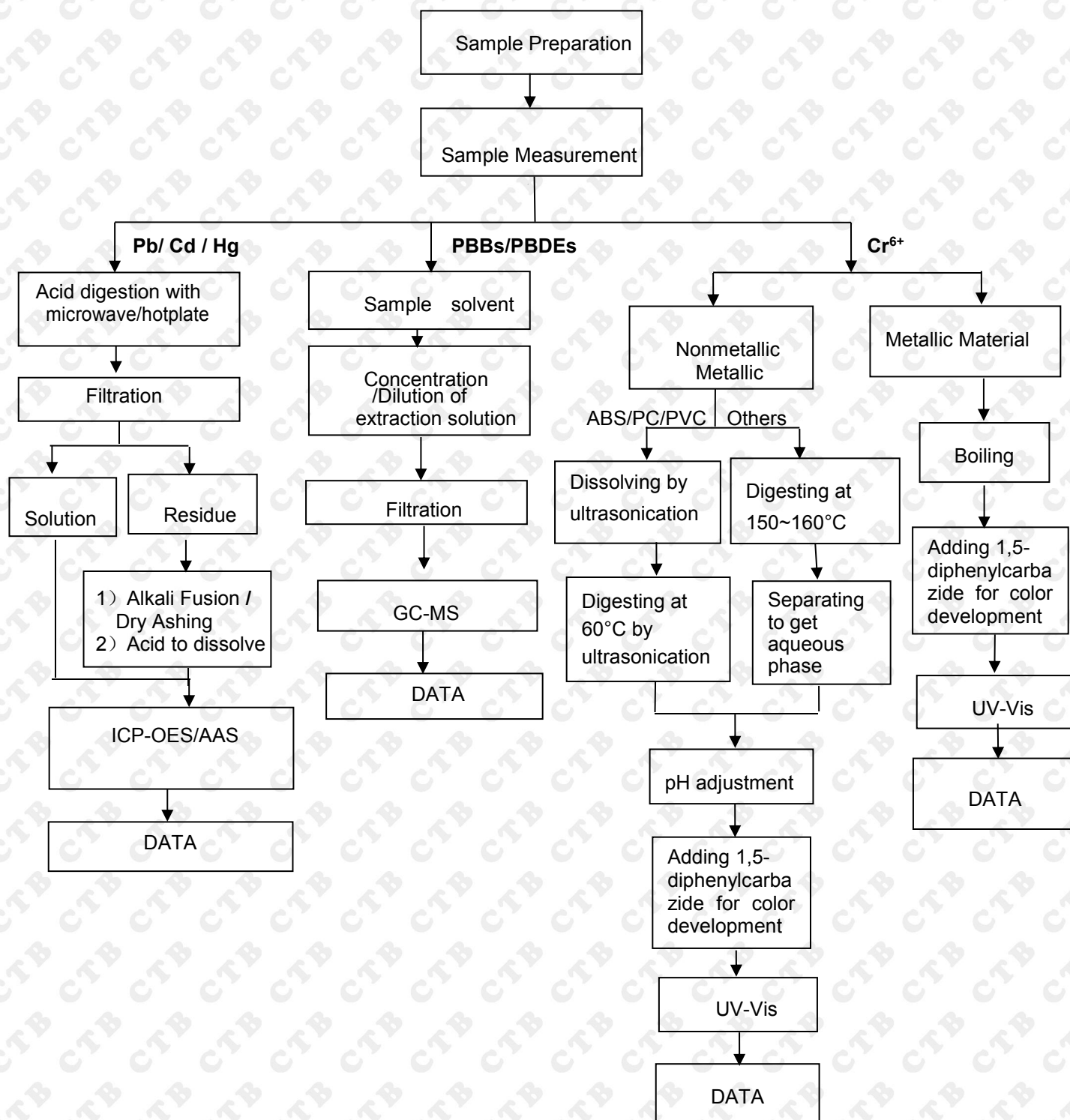
1. BL = below the limit
2. OL = over the limit
3. X = inconclusive, chemical confirm test is needed
4. NA = metal not applicable
5. mg/kg = milligram per kilogram = ppm
6. N.D = not detected
7. Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than $0.1\mu\text{g}/\text{cm}^2$ sample surface area used.
8. Positive = Presence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is equal to or greater than $0.13\mu\text{g}/\text{cm}^2$.
9. sample surface area used. The limit for composite test should be divided by the mixed number.

Note:

1. When perform screening tests, it is the result on total Br while test item on restricted substances is PBBs/PBDEs, it is the result on total Cr while test item on restricted substances is Cr^{6+} .
2. Pb, Cd, Hg, Cr and Br results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-VIS (for Cr^{6+}) and GC-MS (for PBBs, PBDEs) is needed to be performed, if the concentration falls into the inconclusive area according to IEC 62321-3-1:2013.
3. For the XRF screening test for RoHS elements, the reading may be different to the actual content in the sample be of non-uniformity composition.
4. As requested by the applicant, EU RoHS test was conducted only on components listed in this report. Other components were not tested.

Test flow chart

1.Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs



2. Phthalate test flow chart

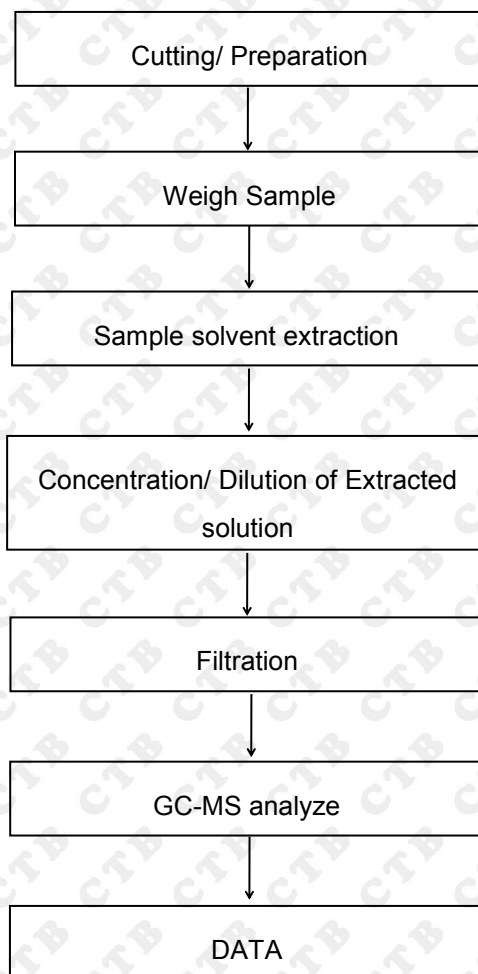
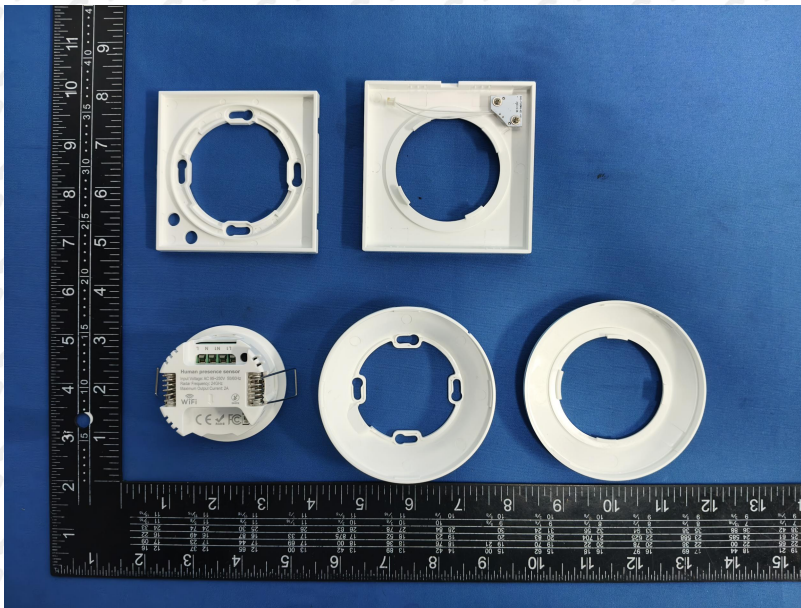
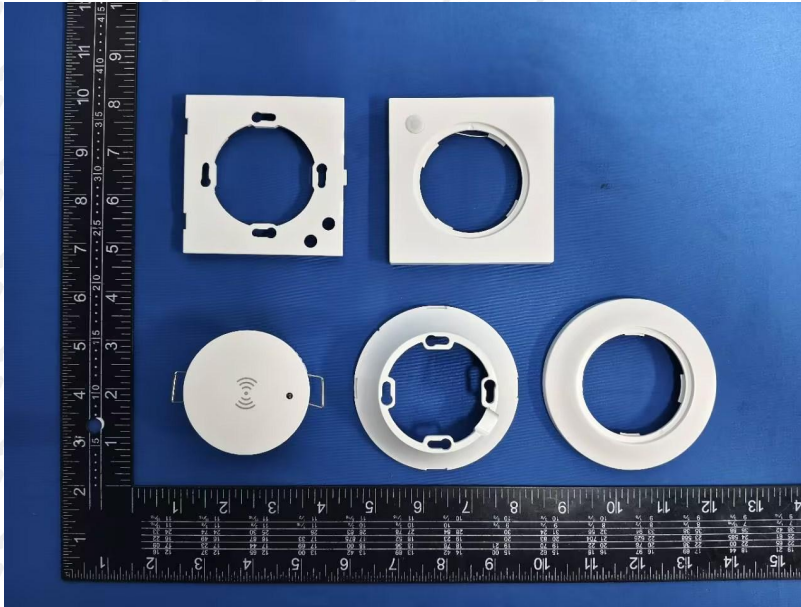


Photo documentation



*** End of Report ***

Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. The tested sample(s) and the sample information are provided by the applicant. The authenticity, accuracy, and completeness of the provided information are the sole responsibility of the applicant. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The result decision rules of our laboratory are based solely on the direct comparison between the actual measured values of test results and the standard limits, without considering the measurement uncertainty. "★" indicates the testing items were fulfilled by subcontracted lab. "※" indicates the items are not in CNAS accreditation scope.