



TEST REPORT

POCE

Applicant Shandong Tengxin Seal Co., Ltd.

South Of Haier Hope Primary School, Magutai Village, XuyuanziTownship, Address

Qingyun County, Dezhou City, Shandong province

Report on the submitted sample said to be:

Sample Name

: cable seal

Trade Mark

Texion Seal

Model(s)

TXCS

Manufacturer

Shandong Tengxin Seal Co., Ltd.

Address

South Of Haier Hope Primary School, Magutai Village, XuyuanziTownship,

Qingyun County, Dezhou City, Shandong province

Test Conclusion

Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs). Polybrominated diphenyl ethers (PBDEs), Bis (2-ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Di Iso Butyl Ortho Phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Testing Period

Jun. 09, 2023 to Jun. 16, 2023

Date of Report

: Jun. 16, 2023

Testing Requested:	000	Results
Selected test(s) as requested by client		Pass

Prepared by:

Laudie



Shenzhen POCE Technology Co., Ltd. Report No.: POCE230615065BRR

Testing method:

- With reference to IEC 62321-1:2013, review was performed for the samples disjointed from the submitted articles submitted by the Applicant
- Tests were performed for the samples indicated by the photos in the report with test methods reference to IEC 62321-1:2013, Procedures for the determination of Levels of Six regulated Substances in Electrotechnical Products
 - (1) With reference to IEC 62321-3-1:2013, Screening by XRF Fluorescence Spectrometry
 - (2) Wet Chemical Test Method
 - a. With reference to IEC 62321-5:2013, Determination of Lead &Cadmium by ICP-OES or AAS
 - b. With reference to IEC 62321-4:2013+A1:2017, Determination of Mercury by ICP-OES
 - With reference to IEC 62321-7-1:2015 and IEC 62321-7-2:2017, Determination of Hexavalent Chromium by Spot or Colorimetic Method
 - d. With reference to IEC 62321-6:2015, Determination of PBBs and PBDEs by GC-MS
 - e. With reference to IEC 62321-8:2017, Determination of DEHP, DIBP, DBP and BBP by GC-MS

Note: The test results are related only to the tested items. The report shall note be reproduced except in full without the written approval of the testing laboratory.



Part No.	Part Description	Restricted Substance	Results of EDXRF	Result of wet Chemical Testing (2mg/kg)	Conclusion on RoHS
1	Steel wire rod	Pb	BL	-	Comply
		Cd	BL		Comply
		Hg	BL	2 -	Comply
		Cr(VI)	BL		Comply
		Br			
		DEHP	2.7		-
		BBP	-	C.E.	-
		DBP	2 P	500	- 7
		DIBP			
2	Metal joint	Pb	BL		Comply
CE		Cd	BL	2000	Comply
	PO	Hg	BL	Po.	Comply
		Cr(VI)	BL	-	Comply
-01		Br	+0	- 10	-
200		DEHP	50	000	
		BBP	20	1	-
		DBP	2.5		-
		DIBP	E.	2	CE



Remark:

- (1) (a) It is the result on total Br while test item on restricted is PBBs\PBDEs. It is the result on total Cr6+ while test item on restricted substances is Cr6+.
 - (b) Results are obtained by EDXRF for primary screening and further chemical testing by ICP(for Cd, Pb, Hg), UV-VIS(for Cr⁶⁺) and GC\MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321(unit: mg\kg)

Element	Polymer	Metal	Composite Materals
Cd	BL≤ (70-3 o) <x<(130+3)="" o="" td="" ≤ol<=""><td>BL≤ (70-3 o) <x<(130+3)="" o="" td="" ≤ol<=""><td>LOD<x<(150+3)="" o="" td="" ≤ol<=""></x<(150+3></td></x<(130+3></td></x<(130+3>	BL≤ (70-3 o) <x<(130+3)="" o="" td="" ≤ol<=""><td>LOD<x<(150+3)="" o="" td="" ≤ol<=""></x<(150+3></td></x<(130+3>	LOD <x<(150+3)="" o="" td="" ≤ol<=""></x<(150+3>
Pb	BL≤ (700-3 o) <x<(1300+3)="" o="" td="" ≤ol<=""><td>BL≤ (700-3 o) <x<(1300+3)="" o="" ≤<br="">OL</x<(1300+3></td><td>BL≤ (500-3 o) <x<(1500+3 o) ≤OL</x<(1500+3 </td></x<(1300+3>	BL≤ (700-3 o) <x<(1300+3)="" o="" ≤<br="">OL</x<(1300+3>	BL≤ (500-3 o) <x<(1500+3 o) ≤OL</x<(1500+3
Hg	BL≤ (700-3 o) <x<(1300+3)="" o="" td="" ≤ol<=""><td>BL ≤ (700-3 σ) <x<(1300+3)="" σ="" ≤<br="">OL</x<(1300+3></td><td>BL≤ (500-3 σ) <x<(1500+3)="" td="" σ="" ≤ol<=""></x<(1500+3></td></x<(1300+3>	BL ≤ (700-3 σ) <x<(1300+3)="" σ="" ≤<br="">OL</x<(1300+3>	BL≤ (500-3 σ) <x<(1500+3)="" td="" σ="" ≤ol<=""></x<(1500+3>
Br	BL≤ (300-3 o) <x< td=""><td>- OCE</td><td>BL≤ (250-3 o) <x< td=""></x<></td></x<>	- OCE	BL≤ (250-3 o) <x< td=""></x<>
Cr	BL≤ (700-3 o) <x< td=""><td>BL≤ (700-3 o) <x< td=""><td>BL≤ (500-3 o) <x< td=""></x<></td></x<></td></x<>	BL≤ (700-3 o) <x< td=""><td>BL≤ (500-3 o) <x< td=""></x<></td></x<>	BL≤ (500-3 o) <x< td=""></x<>

(c)BL=Below Limit, OL=Over Limit, IN=Inconclusive, LOD=Limit of Detection, -=Not Regulated,

Negative = A negative test result indicated above positive observation was not found at the time of testing. When the spot-test showed a negative result, the boiling-water-extraction procedure shall be used to verify the result.

(#1) = As claimed by the declaration submitted by the client, the Lead content of the components is coming from the constituent of ceramic part of the electronic component only. According to EU RoHS Directive, Lead in electronic ceramic parts of this component can be exempted.

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

(2) (a) mg\kg=ppm=0.0001%, ND=Not Detected(<MDL)),

(b)Unit and Method Detection Limit(MDL)in wet chemical test

Test Items	Units	MDL	EU RoHS Limit	
Pb	mg/kg	2	1000	
Cd	mg/kg	2	100	
Hg	mg/kg	2	1000	
0.00	mg/kg	0.02 mg/50 cm ² (Metal)	1000	
Cr(VI)		2 00		
PBBs	mg/kg	5	1000	
PBDEs	mg/kg	5	1000	
DEHP	mg/kg	5	1000	
BBP	mg/kg	5	1000	
DBP	mg/kg	5	1000	
DIBP	mg/kg	5	1000	

- (c) According to IEC 62321, result on Cr for metal sample is shown as Positive\Negative, Negative=Absence of Cr6+ costing, Positive=Prosence of Cr 6+ coating.
- (d) ▲As declared by the client the materials fall into exemption items according to RoHS Directive 2011\65\EU recasting 2002\95\EC



Photograph of sample

POCE authenticate the photo on original report only



Photo 1



Photo 2

****END OF REPORT***