

**TEST REPORT** Job No./Report No TR1346582

Date:29 June 2018

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**MPS METAL PLASTIK SAN. ÇEMBER VE PAKETLEME SİSTEMLERİ İMALAT VE TİCARET A.Ş.**

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To the attention of Musa Kaplan

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

Sample Submitted By : MPS METAL PLASTIK SAN. ÇEMBER VE PAKETLEME SİSTEMLERİ İMALAT VE TİCARET A.Ş.  
Sample Description : Apex Çinko Boyalı  
Article No. : Not Provided  
Model No. : Apex  
PO / Order No. : Not Provided  
Reference No. : Not Provided  
Client : Not Provided  
End Use : Not Provided  
Sample Receiving Date : 26 June 2018  
Testing Period : 26 June 2018 ~ 29 June 2018  
Service Type : NORMAL  
Test Requested : Selected test(s) as requested by client.  
Test Method : Please refer to next page(s)  
Test Result(s) : Please refer to next page(s)

Conclusion : Based on the performed tests on selected part of submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium comply with the limits as set by Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

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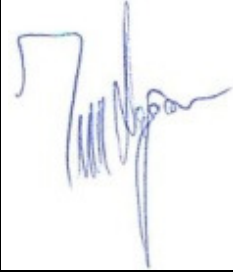
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The test results relate to the tested items only.  
Test reports without SGS seal and authorized signatures are invalid.  
Reported results do not include uncertainties.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd  
Kontrol Servisleri A.Ş.

Tuğrul Doğan  
Customer Services Supervisor

Ayşe Gönen  
Customer Services Team Leader



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**Test Part Description :**

No.1: Grey metal product

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**Heavy Metals (ROHS)<sup>1</sup>**

Test Method:

- 1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
- 2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
- 3) With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES.
- 4) With reference to IEC 62321-7-1:2015, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

Test Item(s):	Unit	Results	MDL	Limit
		<b>1</b>		
Cadmium (Cd)	mg/kg	n.d.	2	100
Lead (Pb)	mg/kg	16 mg/kg	2	1000
Mercury (Hg)	mg/kg	n.d.	2	1000
Hexavalent Chromium (CrVI)	µg/cm <sup>2</sup>	n.d.	0.10	#

(a) mg/kg = ppm ; 0.1wt % = 1000 ppm

(b) n.d. = Not Detected

(c) MDL = Method Detection Limit

- (d) # = a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm<sup>2</sup>. The sample coating is considered to contain CrVI
- b. The sample is negative for CrVI if CrVI is n.d. (concentration less than 0.10 µg/cm<sup>2</sup>). The coating is considered a non-CrVI based coating
- c. The result between 0.10 µg/cm<sup>2</sup> and 0.13 µg/cm<sup>2</sup> is considered to be inconclusive - unavoidable coating variations may influence the determination

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

(e) - = not regulated

The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

IEC 62321 series is equivalent to EN 62321 series

[http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP_ORG_ID,FSP_LANG_ID:1258637,25)

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# 1346582



\* \* \* End of Test Report \* \* \*

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