

TEST REPORT

Job No./Report No TR1346586

Date:29 June 2018

Page 1 of 7

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

Sample Description : Kompozit Çember

Article No. : Not Provided

Model No. : Lifex

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, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE) comply with the limits as set by Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

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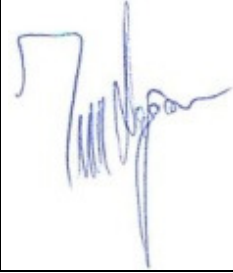
In this Test Report tests marked (1) are included in the IAS Accreditation Scope of this Laboratory. Opinions and interpretations expressed herein are outside the scope of IAS Accreditation.

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: White plastic product

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Flame Retardants (ROHS)¹

Test Method: With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.

Test Item(s):	Unit	Results	MDL	Limit
		1		
Sum of PBBs	mg/kg	n.d.	-	1000
Monobromobiphenyl	mg/kg	n.d.	5	-
Dibromobiphenyl	mg/kg	n.d.	5	-
Tribromobiphenyl	mg/kg	n.d.	5	-
Tetrabromobiphenyl	mg/kg	n.d.	5	-
Hexabromobiphenyl	mg/kg	n.d.	5	-
Pentabromobiphenyl	mg/kg	n.d.	5	-
Heptabromobiphenyl	mg/kg	n.d.	5	-
Octabromobiphenyl	mg/kg	n.d.	5	-
Nonabromobiphenyl	mg/kg	n.d.	5	-
Decabromobiphenyl	mg/kg	n.d.	5	-

Doc No.: CTSL-F-5.10-26NF / First Publish Date:11.03.2013 / Revision Date / No.: 23.01.2018 / 5

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Test Item(s):	Unit	Results	MDL	Limit
		1		
Sum of PBDEs	mg/kg	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	n.d.	5	-
Dibromodiphenyl ether	mg/kg	n.d.	5	-
Tribromodiphenyl ether	mg/kg	n.d.	5	-
Tetrabromodiphenyl ether	mg/kg	n.d.	5	-
Hexabromodiphenyl ether	mg/kg	n.d.	5	-
Pentabromodiphenyl ether	mg/kg	n.d.	5	-
Heptabromodiphenyl ether	mg/kg	n.d.	5	-
Octabromodiphenyl ether	mg/kg	n.d.	5	-
Nonabromodiphenyl ether	mg/kg	n.d.	5	-
Decabromodiphenyl ether	mg/kg	n.d.	5	-

- (a) mg/kg = ppm ; 0.1wt % = 1000 ppm
- (b) n.d. = Not Detected
- (c) MDL = Method Detection Limit
- (d) " - " = 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

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Heavy Metals (ROHS)¹

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.

Test Item(s):	Unit	Results	MDL	Limit
		1		
Cadmium (Cd)	mg/kg	n.d.	2	100
Lead (Pb)	mg/kg	n.d.	2	1000
Mercury (Hg)	mg/kg	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	n.d.*	8	1000

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

(b) n.d. = Not Detected

(c) MDL = Method Detection Limit

(d) " * " = Test result for Chromium VI is considered as "n.d" since Total Chromium is not found by IEC 62321 test method.

(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

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* * * End of Test Report * * *

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