

TEST REPORT

Job No./Report No TR915892

Date:1 April 2016

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ÜNAL KABLO

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To the attention of Tuğçe Güven

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

Sample Submitted By	: ÜNAL KABLO
Sample Description	: FİŞLİ KABLO / PLUG CABLE 16A 250V Normal korumalı, iletkenleri sökülemeyen iki kutuplu tek ve çift topraklı fişler ve iki topraksız fişler / 16A 250V TWO POLE WITHOUT EARTHING CONTACT (U.K 02), 16A 250V TWO POLE WITH DUAL EARTHING CONTACT (U.K 04), 2,5A 250V Normal korumalı, iletkenleri sökülemeyen iki kutuplu yassı kordonlu topraksız fişler / 2,5 A 250V TWO POLE WITHOUT EARTHING CONTACT (U.K 01)
Article No.	: Not Provided
Model No.	: Not Provided
PO / Order No.	: Not Provided
Reference No.	: Not Provided
Client	: Not Provided
End Use	: Not Provided
Sample Receiving Date	: 23 March 2016
Resubmit Date	: 28 March 2016
Testing Period	: 23 March 2016 ~ 1 April 2016
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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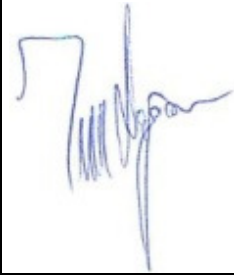
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The test results relate to the tested items only.
Test reports without SGS seal and authorized signatures are invalid.
Reported results do not include uncertainties.
In this Test Report tests marked (1) are included in the IAS Accreditation Scope of this Laboratory. Opinions and interpretations expressed herein are outside the scope of IAS Accreditation.

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 plug body
No.2: Black plastic inside plug body
No.3: Silver metallic plug insert part
No.4: Silver metallic inside part
No.5: White plastic cable protective cover
No.6: Brown plastic cable
No.7: Blue plastic cable
No.8: Yellow,green plastic cable
No.9: Copper wires inside of the cables
No.10: Black plastic plug body (Black plug)
No.11: Silver metallic plug insert part (Black plug)
No.12: Black plastic plug inside body (Black plug)
No.13: Black plastic cable (Black plug)
No.14: Brown plastic cable (Black plug)
No.15: Blue plastic cable (Black plug)
No.16: Copper wires inside of the cables (Black plug)

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Flame Retardants (ROHS)¹

Test Item(s):	Unit	Test Method	Results			MDL	Limit
			1	2	5		
Sum of PBBs	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	-	1000
Monobromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Dibromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tribromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Hexabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Pentabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Heptabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Octabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Nonabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Decabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-

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Test Item(s):	Unit	Test Method	Results			MDL	Limit
			1	2	5		
Sum of PBDEs	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Decabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-

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

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Flame Retardants (ROHS)¹

Test Item(s):	Unit	Test Method	Results			MDL	Limit
			6	7	8		
Sum of PBBs	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	-	1000
Monobromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Dibromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tribromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Hexabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Pentabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Heptabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Octabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Nonabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Decabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-

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Test Item(s):	Unit	Test Method	Results			MDL	Limit
			6	7	8		
Sum of PBDEs	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Decabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-

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

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Flame Retardants (ROHS)¹

Test Item(s):	Unit	Test Method	Results			MDL	Limit
			10	12	13		
Sum of PBBs	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	-	1000
Monobromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Dibromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tribromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Hexabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Pentabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Heptabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Octabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Nonabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Decabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-

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Test Item(s):	Unit	Test Method	Results			MDL	Limit
			10	12	13		
Sum of PBDEs	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-
Decabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	n.d.	5	-

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

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Flame Retardants (ROHS)¹

Test Item(s):	Unit	Test Method	Results		MDL	Limit
			14	15		
Sum of PBBs	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	-	1000
Monobromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Dibromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Tribromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Hexabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Pentabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Heptabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Octabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Nonabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Decabromobiphenyl	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-

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TEST REPORT

Job No./Report No TR915892

Date:1 April 2016

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Test Item(s):	Unit	Test Method	Results		MDL	Limit
			14	15		
Sum of PBDEs	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-
Decabromodiphenyl ether	mg/kg	With reference to IEC 62321-6:2015 (Determination of PBB by GC-MS)	n.d.	n.d.	5	-

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

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Heavy Metals (ROHS)¹

Test Item(s):	Unit	Test Method	Results	MDL	Limit
			6		
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES)	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES)	n.d.	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES)	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	-	n.d.*	2	1000

Note: (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

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Heavy Metals (ROHS)¹

Test Item(s):	Unit	Test Method	Results			MDL	Limit
			1	2	5		
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES)	n.d.	n.d.	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES)	n.d.	14,8 mg/kg	2,6 mg/kg	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES)	n.d.	n.d.	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008 (Determination of CrVI by UV-VIS)	n.d.	n.d.	n.d.	2	1000

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

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Heavy Metals (ROHS)¹

Test Item(s):	Unit	Test Method	Results			MDL	Limit
			7	8	10		
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES)	n.d.	n.d.	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES)	n.d.	n.d.	n.d.	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES)	n.d.	n.d.	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008 (Determination of CrVI by UV-VIS)	n.d.	n.d.	n.d.	2	1000

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

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Heavy Metals (ROHS)¹

Test Item(s):	Unit	Test Method	Results			MDL	Limit
			12	13	14		
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES)	n.d.	n.d.	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES)	24,1 mg/kg	n.d.	n.d.	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES)	n.d.	n.d.	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008 (Determination of CrVI by UV-VIS)	n.d.	n.d.	n.d.	2	1000

Note: (a) mg/kg = ppm ; 0.1wt % = 1000 ppm
 (b) n.d. = Not Detected
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Heavy Metals (ROHS)¹

Test Item(s):	Unit	Test Method	Results	MDL	Limit
			15		
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES)	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES)	n.d.	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES)	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008 (Determination of CrVI by UV-VIS)	n.d.	2	1000

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

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Heavy Metals (ROHS)¹

Test Item(s):	Unit	Test Method	Results		MDL	Limit
			4	9		
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES)	n.d.	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES)	26,6 mg/kg	n.d.	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES)	n.d.	n.d.	2	1000
Hexavalent Chromium (CrVI)	-	-	Negative*	Negative*	-	#

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

(b) n.d. = Not Detected

(c) MDL = Method Detection Limit

(d) # = Positive means the presence of CrVI on the tested areas.

Negative means the absence of CrVI on the tested areas.

For corrosion protection coatings on metals: 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.

(e) “ * “ = Test result for Chromium VI is considered as “negative” since Total Chromium is not found by IEC 62321 test method.

(f) “ - “ = Not Regulated

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Heavy Metals (ROHS)¹

Test Item(s):	Unit	Test Method	Results	MDL	Limit
			16		
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES)	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES)	2,2 mg/kg	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES)	n.d.	2	1000
Hexavalent Chromium (CrVI)	-	-	Negative*	-	#

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

(b) n.d. = Not Detected

(c) MDL = Method Detection Limit

(d) # = Positive means the presence of CrVI on the tested areas.

Negative means the absence of CrVI on the tested areas.

For corrosion protection coatings on metals: 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.

(e) “ * “ = Test result for Chromium VI is considered as “negative” since Total Chromium is not found by IEC 62321 test method.

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Heavy Metals (ROHS)¹

Test Item(s):	Unit	Test Method	Results		MDL	Limit
			3	11		
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES)	3,1 mg/kg	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES)	4,3 mg/kg	41,2 mg/kg	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES)	n.d.	n.d.	2	1000
Hexavalent Chromium (CrVI)	µg/cm ²	With reference to IEC 62321-7-1:2015 (Determination of CrVI by UV-VIS)	n.d.	n.d.	0.10	#

Note: (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/cm². 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/cm²). The coating is considered a non-CrVI based coating

c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive - unavoidable coating variations may influence the determination

For corrosion protection coatings on metals: 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

(f) IEC 62321 series is equivalent to EN 62321 series

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915892



* * * End of Test Report * * *

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