

TEST REPORT

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TEST REPORT NUMBER : TURT180046509_REVISED01 **DATE:** 16 March, 2018

APPLICANT: Kabes Elktr.Elktron. ve End. Malz.Dış Tic.Ltd.Şti.

ADDRESS: AYAZAĞA MAHALLESİ DEREBOYU CAD. ESKİ PAZAR SOK. NO:17/A-
B AYAZAĞA/SARIYER-İSTANBUL TURKEY
Fax NO: 0212 229 40 72 Tel No : 0212 229 59 63
Attention : Gönül Ertan
(gonulsahin@kabes.com.tr)

SAMPLE DESCRIPTION : See Attachment

DATE IN : 08 March, 2018 (10:43)

DATE OUT : 14 March, 2018 / 16 March, 2018

COUNTRY OF ORIGIN : TURKEY

REQUEST : RoHS Test was performed according to 2011/65/EU Directive.

RESULTS : SEE ATTACHMENT

CONCLUSION : SEE ATTACHMENT

NOTE : In this revised 01 report, address information was corrected. This report replaced the report no TURT180046509 dated on 14 March, 2018 and must be used instead of it. Report no TURT180046509 dated on 14 March, 2018 is invalid

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Volkan ALBAYRAK
Customer Care Executive



Zeynep Akın
Chemical Laboratory Manager

PARTS	DESCRIPTION	CONCLUSION
	Sample	
1	WHITE PVC TAPE	PASS
2	BLACK PVC MACARON	PASS

Intertek Test Hizmetleri A.S.

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(A)TEST RESULT SUMMARY ACCORDING TO IEC 62321

TESTING ITEM	RESULT	
	Part	
	1	2
Cadmium (Cd) Content	ND	ND
Chromium VI (Cr+6) Content (ppm) (for non metal)	ND	ND
Chromium VI (Cr+6) Content (µg/cm ²) (for metal)	NA	NA
Lead (Pb) Content	ND	ND
Mercury (Hg) Content	ND	ND
Flame Retardants		
Polybrominated Biphenyls (PBB)	ND	ND
Monobromobiphenyl (MonoBB)	ND	ND
Dibromobiphenyl (DiBB)	ND	ND
Tribromobiphenyl (TriBB)	ND	ND
Tetrabromobiphenyl (TetraBB)	ND	ND
Pentabromobiphenyl (PentaBB)	ND	ND
Hexabromobiphenyl (HexaBB)	ND	ND
Heptabromobiphenyl (HeptaBB)	ND	ND
Octabromobiphenyl (OctaBB)	ND	ND
Nonabromobiphenyl (NonaBB)	ND	ND
Decabromobiphenyl (DecaBB)	ND	ND
Polybrominated Diphenyl Ethers (PBDE)	ND	ND
Monobromodiphenyl Ether (MonoBDE)	ND	ND
Dibromodiphenyl Ether (DiBDE)	ND	ND
Tribromodiphenyl Ether (TriBDE)	ND	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND
Pentabromodiphenyl Ether (PentaBDE)	ND	ND
Hexabromodiphenyl Ether (HexaBDE)	ND	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND
Octabromodiphenyl Ether (OctaBDE)	ND	ND
Nonabromodiphenyl Ether (NonaBDE)	ND	ND
Decabromodiphenyl Ether (DecaBDE)	ND	ND

Remarks : ppm=Parts per million based on dry weight of sample
 µg/cm²=Microgram per square centimetre
 mg/kg with 50 cm²=Milligram per kilogram with 50 square centimetre
 ND =Not detected NA =Not applicable NR =Not requested
 Estimated Total Uncertainty = ((Heavy Metal: ±7% , PBB/PBDE: ±6%))

(B) REQUIREMENT:

SUBSTANCE	LIMITS	
Cadmium (Cd)Content	0.01 % (100 ppm)	
Chromium VI (Cr+6)Content(ppm)(for non metal)	0.1 % (1000 ppm)	
Chromium VI (Cr+6)Content($\mu\text{g}/\text{cm}^2$)for metal)	Colorimetric result < 0.10 $\mu\text{g}/\text{cm}^2$ ≥ 0.10 $\mu\text{g}/\text{cm}^2$ and ≤ 0.13 $\mu\text{g}/\text{cm}^2$ > 0.13 $\mu\text{g}/\text{cm}^2$	Qualitative Result Negative Inconclusive Positive
Lead (Pb) Content	0.1 % (1000 ppm)	
Mercury (Hg) Content	0.1 % (1000 ppm)	
Flame Retardants	0.1 % (1000 ppm)	

(C) TEST METHOD :

Testing Item	Testing Method	Reporting Limit
Cadmium (Cd)Content	With reference to IEC 62321-5:2013,by microwave or acid digestion and determined by ICP-OES	Plastic : 2.5 ppm, Metal : 5 ppm, Ceramic : 1.25 ppm
Lead (Pb)Content	With reference to IEC 62321-5:2013,by microwave or acid digestion and determined by ICP-OES	Plastic : 5 ppm, Metal : 10 ppm, Ceramic : 2.5 ppm
Mercury (Hg)Content	With reference to IEC 62321-4:2017,by microwave or acid digestion and determined by ICP-OES	Plastic : 5 ppm, Metal : 10 ppm, Ceramic : 2.5 ppm
Chromium VI (Cr6+) (For non-metal)	With reference to IEC 62321-7-2:2017,by alkaline digestion and determined by UV-VIS spectrophotometer	Plastic : 25 ppm (PVC based) /8.33 ppm (other), Ceramic : 8.33 ppm
Chromium VI (Cr6+) (For metal)	With reference to IEC 62321-7-1:2015 ,by boiling water extraction and determined by UV-VIS spectrophotometer	0.1 mg/kg with 50 cm ² (IN TESTING SOLUTION)
PBBs/PBDEs	With reference to IEC 62321-6:2015,by solvent extraction and determined by GC/MS and HPLC	5 ppm

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Part 1



Part 2



END OF TEST REPORT

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