



## TEST REPORT

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REPORT NUMBER : TURT200121650

SAMPLE DESCRIPTION : One sample of Black fabric panel  
DATE IN : 18 September ,2020 ( 15:20:00)  
DATE OUT : 24 September ,2020  
MODEL NO : 36828-505  
REQUEST. In this test report, only Lead (Pb) test was performed according to 2015/863/EU amending Annex II to Directive 2011/65/EU  
RESULTS: See attachment

PART	DESCRIPTION	CONCLUSION
Sample 1	Sample	Pass

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Kubra AKGUN  
Customer Care Executive

Zeynep AKIN  
Chemical Laboratory Manager

Intertek Test Hizmetleri A.S.  
Merkez Mahallesi Sanayi Cad. No.23 Altındag Plaza Yenibosna-34197 /ISTANBUL  
Phone : +90 212 496 46 46 Fax: +90 212 452 80 55  
e-mail : [intertekcg.turkiye@intertek.com](mailto:intertekcg.turkiye@intertek.com)  
<http://www.intertek-turkey.com>

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**(A) TEST RESULT SUMMARY ACCORDING TO IEC 62321**  
**Electrotechnical Products-Determination of Levels of Six Regulated Substances**

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

Remarks : ppm=Parts per million based on dry weight of sample  
 µg/cm<sup>2</sup>=Microgram per square centimetre  
 mg/kg with 50 cm<sup>2</sup>=Milligram per kilogram with 50 square centimetre  
 ND =Not detected NA =Not applicable NR =Not requested

**Intertek Test Hizmetleri A.S.**  
 Merkez: Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna-34197 /ISTANBUL  
 Phone : +90 212 496 46 46 Fax: +90 212 452 80 55  
 e-mail : intertekg.turkiye@intertek.com  
<http://www.intertek-turkey.com>

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TESTING ITEM	RESULT
	Sample 1
Dibutyl phthalate (DBP) (84-74-2)	NR
Di (2-ethylhexyl) phthalate (DEHP) (117-81-7)	NR
Benzyl butyl phthalate (BBP) (85-68-7)	NR
Diisobutyl Phthalate (DIBP) (84-69-5)	NR

Remarks : ppm=Parts per million based on dry weight of sample  
µg/cm<sup>2</sup>=Microgram per square centimetre  
mg/kg with 50 cm<sup>2</sup>=Milligram per kilogram with 50 square centimetre  
ND =Not detected NA =Not applicable NR =Not requested

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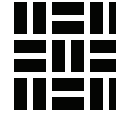
Phone : +90 212 496 46 46 Fax: +90 212 452 80 55

e-mail : [intertekg.turkiye@intertek.com](mailto:intertekg.turkiye@intertek.com)

<http://www.intertek-turkey.com>

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### (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)	<u>Colorimetric result</u>	<u>Qualitative Result</u>
	< 0.10 $\mu\text{g}/\text{cm}^2$	Negative
	$\geq 0.10 \mu\text{g}/\text{cm}^2$ and $\leq 0.13 \mu\text{g}/\text{cm}^2$	Inconclusive
	> 0.13 $\mu\text{g}/\text{cm}^2$	Positive
Lead (Pb) Content	0.1 % (1000 ppm)	
Mercury (Hg) Content	0.1 % (1000 ppm)	
Flame Retardants	0.1 % (1000 ppm)	
Dibutyl Phthalate (DBP)	0.1 % (1000 ppm)	
Diethyl Hexyl Phthalate (DEHP)	0.1 % (1000 ppm)	
Benzyl Butyl Phthalate (BBP)	0.1 % (1000 ppm)	
Diisobutyl Phthalate (DIBP)	0.1 % (1000 ppm)	

#### Intertek Test Hizmetleri A.S.

Merkez: Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna-34197 /ISTANBUL

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e-mail : [intertekg.turkiye@intertek.com](mailto:intertekg.turkiye@intertek.com)

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### (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 <sup>2</sup> (IN TESTING SOLUTION)
PBBs/PBDEs	With reference to IEC 62321-6:2015, by solvent extraction and determined by GC/MS and HPLC	5 ppm
Phthalates	With reference to IEC 62321-8 (111/321/CD), by solvent extraction and determined by GC-MS.	50 ppm

#### Intertek Test Hizmetleri A.S.

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e-mail : [intertekg.turkiye@intertek.com](mailto:intertekg.turkiye@intertek.com)

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Sample 1



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#### END OF TEST REPORT ###

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*Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna-34197/ISTANBUL*  
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e-mail : [intertekg.turkiye@intertek.com](mailto:intertekg.turkiye@intertek.com)  
<http://www.intertek-turkey.com>