Test
TS EN ISO/IEC 17025
AB-0716-T

AB - 0716 - T
TURT220102127
09-22

TEST REPORT

REPORT NUMBER : TURT220102127

APPLICANT NAME : Burak Alüminyum San. ve Tic. A.Ş.

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Attention : Serkant Karpuzkıran (skarpuzkıran@burak.com.tr)

SAMPLE DESCRIPTION : One sample of Powder Coated Aluminum Profile

DATE IN : 6 September ,2022 (14:47:00)

DATE OUT : 8 September ,2022

REQUEST. Rohs Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

		CONCLUSION
PART	DESCRIPTION	
Sample 1	Sample	Pass

Ezgi Aleyna ARI
Customer Care Executive

Zeynep AKIN
Chemical Laboratory Manager

Intertek Test Hizmetleri A.S.
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(A) TEST RESULT SUMMARY ACCORDING TO IEC 62321
Electrotechnical Products-Determination of Levels of Six Regulated Substances

TESTING ITEM	RESULT
	Sample 1
Cadmium (Cd) Content	ND
Chromium VI (Cr+6) Content (ppm) (for non- metal)	NA
Chromium VI (Cr+6) Content (μg/cm²) (for metal)	ND
Lead (Pb) Content	96 ppm
Mercury (Hg) Content	ND
Flame Retardants	
Polybrominated Biphenyls (PBB)	NA
Monobromobiphenyl (MonoBB)	NA
Dibromobiphenyl (DiBB)	NA
Tribromobiphenyl (TriBB)	NA
Tetrabromobiphenyl (TetraBB)	NA
Pentabromobiphenyl (PentaBB)	NA
Hexabromobiphenyl (HexaBB)	NA
Heptabromobiphenyl (HeptaBB)	NA
Octabromobiphenyl (OctaBB)	NA
Nonabromobiphenyl (NonaBB)	NA
Decabromobiphenyl (DecaBB)	NA
Polybrominated Diphenyl Ethers (PBDE)	NA
Monobromodiphenyl Ether (MonoBDE)	NA
Dibromodiphenyl Ether (DiBDE)	NA
Tribromodiphenyl Ether (TriBDE)	NA
Tetrabromodiphenyl Ether (TetraBDE)	NA
Pentabromodiphenyl Ether (PentaBDE)	NA
Hexabromodiphenyl Ether (HexaBDE)	NA
Heptabromodiphenyl Ether (HeptaBDE)	NA
Octabromodiphenyl Ether (OctaBDE)	NA
Nonabromodiphenyl Ether (NonaBDE)	NA
Decabromodiphenyl Ether (DecaBDE)	NA
Phthalates	
Dibutyl phthalate (DBP)(84-74-2)	NA
Diethyl Hexyl Phthalate (DEHP)(117-81-7)	NA

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TESTING ITEM	RESULT
	Sample 1
Benzyl butyl phthalate (BBP)(85-68-7)	NA
Diisobutyl Phthalate (DIBP)(84-69-5)	NA

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%, Phthalates: ±6%))

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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 (µg/cm²) (for metal)	Colorimetric result	Qualitative Result
	< 0.10 µg/cm²	Negative
	≥ 0.10 µg/cm² and ≤ 0.13 µg/cm²	Inconclusive
	> 0.13 µg/cm²	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)	

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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: 10 ppm / Metal: 4 ppm / Seramic: 5 ppm
Lead (Pb)Content	With reference to IEC 62321-5:2013,by microwave or acid digestion and determined by ICP-OES	Plastic: 10 ppm / Metal: 4 ppm / Seramic: 5 ppm
Mercury (Hg)Content	With reference to IEC 62321-4:2017,by microwave or acid digestion and determined by ICP-OES	Plastic: 10 ppm / Metal: 10 ppm / Seramic: 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)
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 ppm with 50 cm2 (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

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Sample 1

Sample 1

Sample 1

END OF TEST REPORT

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