AB-0716-T
TURT250010500
02-25

TEST REPORT

REPORT NUMBER : **TURT250010500** DATE: 04 February, 2025

APPLICANT: **Güler Boru San. ve Tic.A.Ş.**
ADDRESS: EMİRLER MAHALLESİ SARICAKAYA CADDESİ NO:212 TEPEBAŞI/ESKİŞEHİR
Attention: **MEHMET KARA (uretim@gulermetal.com)**

SAMPLE DESCRIPTION :
Sample 1 : One sample of Galvanised coated steel pipe (6x0.70 Zinc)
Sample 2 : One sample of Steel pipe (4.76x0.70)

DATE IN : **28 January, 2025 (15:34)**

DATE OUT : **04 February, 2025**

REQUEST : Rohs DIrectIve (EU) 2015/863 amendIng Annex II to DIrectIve 2011/65/EU

CONCLUSION :

Testing Item	Conclusion
Galvanised coated steel pipe (6x0.70 Zinc)	PASS
Steel pipe (4.76x0.70)	PASS

Melis EVCİ
Customer Care Executive

Emre ÇALIK
Chemical Laboratory Manager

Intertek Test Hizmetleri A.S.
Merkez Mahallesi Sanayi Cad. No: 23 Altındağ Plaza Yenibosna 34197 - ISTANBUL / TURKEY
Phone : +90.212. 496 46 46 Fax : +90.212. 452 80 55
e-mail : intertekcg.turkiye@intertek.com
www.intertek-turkey.com

250010500

PRODUCT CODE :

4,76x0,70	Çelik Boru
4x0,50	Çelik Boru
4x0,55	Çelik Boru
6x0,70	Çelik Boru
6x0,60	Çelik Boru
6,35x0,70	Çelik Boru
7,8x0,60	Çelik Boru
8x0,70	Çelik Boru
10x0,70	Çelik Boru
4,76x0,70	Çinko Kaplı Çelik Boru
4x0,50	Çinko Kaplı Çelik Boru
4x0,55	Çinko Kaplı Çelik Boru
8x0,70	Çinko Kaplı Çelik Boru
6x0,70	Çinko Kaplı Çelik Boru

(A)TEST RESULT SUMMARY ACCORDING TO IEC 62321

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

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B) REQUIREMENT:

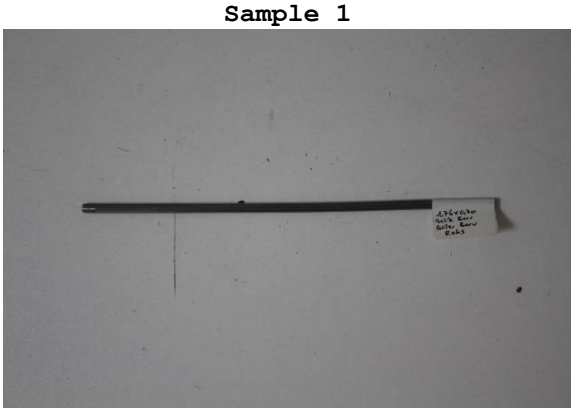
SUBSTANCE	LIMITS
Cadmium (Cd)Content	0.01 % (100 ppm)
Chromium VI (Cr+6)Content(ppm)(for non metal)	0.1 % (1000 ppm)
Chromium VI (Cr+6)Content(µg/cm²)for metal)	Colorimetric result / Qualitative Result < 0.10 µg/cm² / Negative ≥ 0.10 µg/cm² and ≤ 0.13 µg/cm² / Inconclusive > 0.13 µg/cm² / Positive
Lead (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)

(C) TEST METHOD :

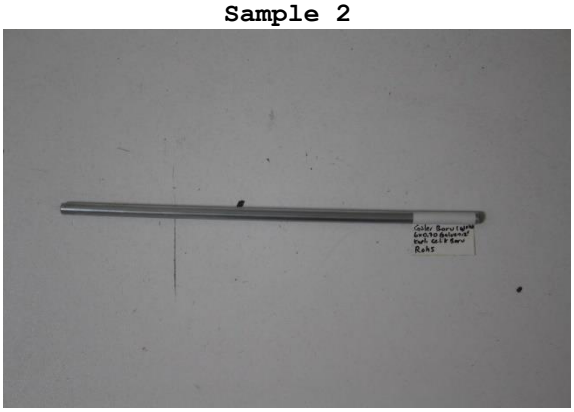
Testing Item	Testing Method	Reporting Limit	Uncertainty
Cadmium (Cd) Content	With reference to IEC 62321-5:2013,by microwave or acid digestion and determined by ICP-OES	Plastic : 10 ppm Metal : 4 ppm Ceramic : 5 ppm	Metal-Pb&Cd&Cr:±13% Metal-Hg:±12% Plastic:±9% Ceramic/Glass:±10% Carton:±7%
Lead (Pb) Content	With reference to IEC 62321-5:2013,by microwave or acid digestion and determined by ICP-OES	Plastic : 10 ppm Metal : 4 ppm Ceramic : 5 ppm	
Mercury (Hg) Content	With reference to IEC 62321-4:2013/AMD1:2017,by microwave or acid digestion and determined by ICP-OES	Plastic : 10 ppm Metal : 10 ppm Ceramic : 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)	Plastic-PVC ±12% Plastic-PP ±5% Ceramic/Glass ±5% Carton:±11%
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 cm^2 (IN TESTING SOLUTION)	±13%
PBBs/PBDEs	With reference to IEC 62321-6:2015,by solvent extraction and determined by GC/MS and HPLC	5 ppm	±15%
Phthalates	With reference to IEC 62321-8 (111/321/CD), by solvent extraction and determined by GC-MS.	50 ppm	±16%

SAMPLE PHOTOS

Sample 1



Sample 2



END OF TEST REPORT

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Phone : +90.212. 496 46 46 Fax : +90.212. 452 80 55
e-mail : intertekcg.turkiye@intertek.com
www.intertek-turkey.com