

TEST REPORT

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TEST REPORT NUMBER : TURT250026475

DATE: 17 March, 2025

APPLICANT: Emtel Emaye Tel Kablo San. A.Ş.
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SAMPLE DESCRIPTION : One sample of Metal Wire (0,90 mm TS EN 60317-8 Gr 2)

DATE IN : 07 March, 2025 (16:39)

DATE OUT : 17 March, 2025

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

CONCLUSION

Testing Item	Conclusion
Sample	PASS

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(A) TEST RESULT SUMMARY ACCORDING TO IEC 62321

TESTING ITEM	Result
	Sample
CadmIum (Cd) Content	ND
ChromIum VI (Cr+6) Content (ppm) (for non metal)	NA
ChromIum VI (Cr+6) Content (µg/cm ²) (for metal)	ND
Lead (Pb) Content	ND
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)	NA
DIethyl Hexyl Phthalate (DEHP)	NA
Benzyl Butyl Phthalate (BBP)	NA
DIIsobutyl Phthalate (DIBP)	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 applicAbble 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 ($\mu\text{g}/\text{cm}^2$) 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)	
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	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	
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	Metal-Pb&Cd&Cr:±13% Metal-Hg:±12% PlastIc:±9% CeramIc/Glass:±10% Carton:±7%
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) /4.33 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 boIllIng 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%

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SAMPLE PHOTO



END OF TEST REPORT