

TEST REPORT

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TEST REPORT NUMBER : TURT230060141_REVISED01

DATE:

20 June, 2023

APPLICANT: Köksal Plastik Pnömatik Har.ith.ve ihr.San.Tic.Ltd.şti.

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SAMPLE DESCRIPTION

- Sample 1** : One sample of Transparent Hose
Sample 2 : One sample of Red Hose
Sample 3 : One sample of Blue Hose
Sample 4 : One sample of Yellow Hose
Sample 5 : One sample of Grey Hose
Sample 6 : One sample of Green Hose

DATE IN : 07 June, 2023 (07:45)

RESUBMIT DATE : 20 June, 2023

DATE OUT : 13 June, 2023 / 20 June, 2023

NOTE : In this revised 01 report, Product codes were added by the request of the applicant.
This report replaced the report no TURT230060141 dated on 13 June, 2023 and must be used instead of it.
Report no TURT230060141 dated on 13 June, 2023 is invalid.

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

CONCLUSION

Testing Item	Conclusion
Sample 1	PASS
Sample 2	PASS
Sample 3	PASS
Sample 4	PASS
Sample 5	PASS
Sample 6	PASS

Ezgi Aleyna Arı
Senior Customer Care Executive

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Chemical Laboratory Manager

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PRODUCT CODES			
ÜRÜN KODU	ÖLÇÜ (İÇ ÇAP MM X DIŞ ÇAP MM)	ÜRÜN İSMİ TÜRKÇE	ÜRÜN İSMİ İNGİLİZCE
EU1530	1.5X3MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU2040	2X4MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU2540	2.5X4MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU3050	3X5MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU4060	4X6MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU5080	5X8MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU5580	5.5X8MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU6080	6X8MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU6510	6.5X10MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU7010	7X10MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU7510	7.5X10MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU8012	8X12MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU9012	9X12MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU1014	10X14MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU1116	11X16MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE
EU1216	12X16MM	EUROFLEX POLİÜRETAN PNÖMATİK HORTUM	EUROFLEX POLYURETHANE PNEUMATIC TUBE

ÜRÜN KOD,ÖLÇÜ VE İSİM LİSTESİ			
ÜRÜN KODU	ÖLÇÜ (İÇ ÇAP MM X DIŞ ÇAP MM)	ÜRÜN İSMİ TÜRKÇE	ÜRÜN İSMİ İNGİLİZCE
EFU1530	1.5X3MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU2040	2X4MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU2540	2.5X4MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU3050	3X5MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU4060	4X6MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU5080	5X8MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU5580	5.5X8MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU6080	6X8MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU6510	6.5X10MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU7010	7X10MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU7510	7.5X10MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU8012	8X12MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU9012	9X12MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU9514	9.5X14MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU1014	10X14MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU1116	11X16MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE
EFU1216	12X16MM	EFIT POLİÜRETAN PNÖMATİK HORTUM	EFIT POLYURETHANE PNEUMATIC TUBE

(A)TEST RESULT SUMMARY ACCORDING TO IEC 62321

TESTING ITEM	RESULT		
	Sample		
	1	2	3
Cadmium (Cd) Content	ND	ND	ND
Chromium VI (Cr+6) Content(ppm)(for non metal)	ND	ND	ND
Chromium VI (Cr+6) Content($\mu\text{g}/\text{cm}^2$)(for metal)	NA	NA	NA
Lead (Pb) Content	ND	ND	ND
Mercury (Hg) Content	ND	ND	ND
Flame Retardants			
Polybrominated Biphenyls (PBB)	ND	ND	ND
Monobromobiphenyl (MonoBB)	ND	ND	ND
Dibromobiphenyl (DiBB)	ND	ND	ND
Tribromobiphenyl (TriBB)	ND	ND	ND
Tetrabromobiphenyl (TetraBB)	ND	ND	ND
Pentabromobiphenyl (PentaBB)	ND	ND	ND
Hexabromobiphenyl (HexaBB)	ND	ND	ND
Heptabromobiphenyl (HeptaBB)	ND	ND	ND
Octabromobiphenyl (OctaBB)	ND	ND	ND
Nonabromobiphenyl (NonaBB)	ND	ND	ND
Decabromobiphenyl (DecaBB)	ND	ND	ND
Polybrominated Diphenyl Ethers (PBDE)	ND	ND	ND
Monobromodiphenyl Ether (MonoBDE)	ND	ND	ND
Dibromodiphenyl Ether (DiBDE)	ND	ND	ND
Tribromodiphenyl Ether (TriBDE)	ND	ND	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND	ND
Pentabromodiphenyl Ether (PentaBDE)	ND	ND	ND
Hexabromodiphenyl Ether (HexaBDE)	ND	ND	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND	ND
Octabromodiphenyl Ether (OctaBDE)	ND	ND	ND
Nonabromodiphenyl Ether (NonaBDE)	ND	ND	ND
Decabromodiphenyl Ether (DecaBDE)	ND	ND	ND
Phthalates			
Dibutyl Phthalate (DBP)	ND	ND	ND
Diethyl Hexyl Phthalate (DEHP)	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	ND	ND	ND
Diisobutyl Phthalate (DIBP)	ND	ND	ND

Remarks : ppm=Parts per million based on dry weight of sample
 $\mu\text{g}/\text{cm}^2$ =Microgram per square centimetre
mg/kg with 50 cm^2 =Milligram per kilogram with 50 square centimetre
ND =Not detected NA =Not applicable NR =Not requested

(A)TEST RESULT SUMMARY ACCORDING TO IEC 62321

TESTING ITEM	RESULT		
	Sample		
	4	5	6
Cadmium (Cd) Content	ND	ND	ND
Chromium VI (Cr+6) Content(ppm)(for non metal)	ND	ND	ND
Chromium VI (Cr+6) Content(µg/cm ²)(for metal)	NA	NA	NA
Lead (Pb) Content	ND	ND	ND
Mercury (Hg) Content	ND	ND	ND
Flame Retardants			
Polybrominated Biphenyls (PBB)	ND	ND	ND
Monobromobiphenyl (MonoBB)	ND	ND	ND
Dibromobiphenyl (DiBB)	ND	ND	ND
Tribromobiphenyl (TriBB)	ND	ND	ND
Tetrabromobiphenyl (TetraBB)	ND	ND	ND
Pentabromobiphenyl (PentaBB)	ND	ND	ND
Hexabromobiphenyl (HexaBB)	ND	ND	ND
Heptabromobiphenyl (HeptaBB)	ND	ND	ND
Octabromobiphenyl (OctaBB)	ND	ND	ND
Nonabromobiphenyl (NonaBB)	ND	ND	ND
Decabromobiphenyl (DecaBB)	ND	ND	ND
Polybrominated Diphenyl Ethers (PBDE)	ND	ND	ND
Monobromodiphenyl Ether (MonoBDE)	ND	ND	ND
Dibromodiphenyl Ether (DiBDE)	ND	ND	ND
Tribromodiphenyl Ether (TriBDE)	ND	ND	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND	ND
Pentabromodiphenyl Ether (PentaBDE)	ND	ND	ND
Hexabromodiphenyl Ether (HexaBDE)	ND	ND	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND	ND
Octabromodiphenyl Ether (OctaBDE)	ND	ND	ND
Nonabromodiphenyl Ether (NonaBDE)	ND	ND	ND
Decabromodiphenyl Ether (DecaBDE)	ND	ND	ND
Phthalates			
Dibutyl Phthalate (DBP)	ND	ND	ND
Diethyl Hexyl Phthalate (DEHP)	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	ND	ND	ND
Diisobutyl Phthalate (DIBP)	ND	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

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)

(C) TEST METHOD :

Testing Item	Testing Method	Reporting	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	Plastic: 9% Metal-Pb&Cd&Cr: 13% Metal-Hg: 12% Ceramic/Glass: 10%
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 62321-4:2017,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 8% Plastic-PP 6% Ceramic/Glass 6%
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)	12%
PBBs/PBDEs	With reference to IEC 62321-6:2015,by solvent extraction and determined by GC/MS and	5 ppm	15%
Phthalates	With reference to IEC 62321-8 (111/321/CD), by solvent extraction and determined by GC-MS.	50 ppm	16%

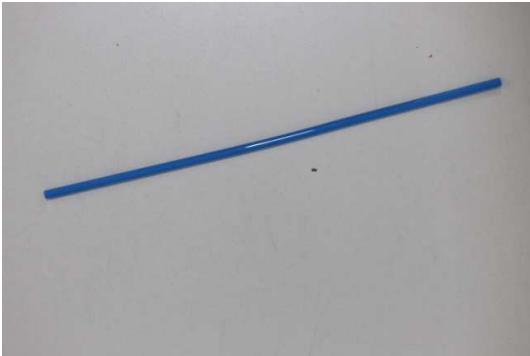
Sample 1



Sample 2



Sample 3



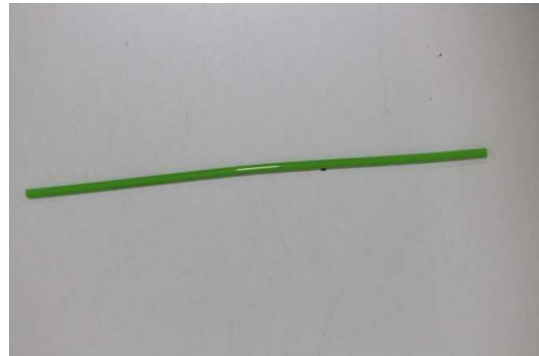
Sample 4



Sample 5



Sample 6



END OF TEST REPORT