

AB-0716-T
TURT220131345 _REVISED01
12-22

TEST REPORT

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TEST REPORT NUMBER : TURT220131345_REVISED01 **DATE:** 05 December, 2022

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SAMPLE DESCRIPTION : SEE ATTACHMENT
DATE IN : 11 November, 2022 (10:38)
RESUBMIT DATE : 05 December, 2022
DATE OUT : 21 November, 2022 / 05 December, 2022
REFERENCE CODES : VINYLAFS WHITE
VINYLAFS.70 WHITE
VINYLAFS.70 WHITE with kit form
REQUEST : Rohs Directive (EU) 2015/863 amending Annex II to Directive
2011/65/EU
CONCLUSION : SEE ATTACHMENT
: In this revised 01 report, Reference codes were added by the
request of the applicant.
NOTE This report replaced the report no TURT220131345 dated 21
November, 2022 and must be used instead of it.
Report no TURT220131345 dated 21 November, 2022 is invalid.

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Ezgi Aleyna Arı
Senior Customer Care Executive

Zeynep Akın
Chemical Laboratory Manager

PART NO	DESCRIPTION	CONCLUSION
	WHITE PLASTIC PIPE	
1.1	WHITE PLASTIC BATTOM BODY	PASS
1.2	WHITE PLASTIC BODY	PASS
1.3	METAL ITEM	PASS

(A)TEST RESULT SUMMARY ACCORDING TO IEC 62321

TESTING ITEM	RESULT		
	Sample		
	1.1	1.2	1.3
Cadmium (Cd) Content	ND	ND	ND
Chromium VI (Cr+6) Content(ppm)(for non metal)	ND	ND	NA
Chromium VI (Cr+6) Content($\mu\text{g}/\text{cm}^2$)(for metal)	NA	NA	ND
Lead (Pb) Content	ND	ND	ND
Mercury (Hg) Content	ND	ND	ND
Flame Retardants			
Polybrominated Biphenyls (PBB)	ND	ND	NA
Monobromobiphenyl (MonoBB)	ND	ND	NA
Dibromobiphenyl (DiBB)	ND	ND	NA
Tribromobiphenyl (TriBB)	ND	ND	NA
Tetrabromobiphenyl (TetraBB)	ND	ND	NA
Pentabromobiphenyl (PentaBB)	ND	ND	NA
Hexabromobiphenyl (HexaBB)	ND	ND	NA
Heptabromobiphenyl (HeptaBB)	ND	ND	NA
Octabromobiphenyl (OctaBB)	ND	ND	NA
Nonabromobiphenyl (NonaBB)	ND	ND	NA
Decabromobiphenyl (DecaBB)	ND	ND	NA
Polybrominated Diphenyl Ethers (PBDE)	ND	ND	NA
Monobromodiphenyl Ether (MonoBDE)	ND	ND	NA
Dibromodiphenyl Ether (DiBDE)	ND	ND	NA
Tribromodiphenyl Ether (TriBDE)	ND	ND	NA
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND	NA
Pentabromodiphenyl Ether (PentaBDE)	ND	ND	NA
Hexabromodiphenyl Ether (HexaBDE)	ND	ND	NA
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND	NA
Octabromodiphenyl Ether (OctaBDE)	ND	ND	NA
Nonabromodiphenyl Ether (NonaBDE)	ND	ND	NA
Decabromodiphenyl Ether (DecaBDE)	ND	ND	NA
Phthalates			
Dibutyl Phthalate (DBP)	ND	ND	NA
Diethyl Hexyl Phthalate (DEHP)	ND	ND	NA
Benzyl Butyl Phthalate (BBP)	ND	ND	NA
Diisobutyl Phthalate (DIBP)	ND	ND	NA

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

Estimated Total Uncertainty = (Heavy Metal: $\pm 7\%$, PBB/PBDE: $\pm 6\%$, Phthalates: $\pm 6\%$)

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 $\mu\text{g}/\text{cm}^2$ Qualitative Result 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)

(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, 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
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)
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)
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

SAMPLE PHOTO



END OF TEST REPORT