

TEST REPORT

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REPORT NUMBER : TURT230022631
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SAMPLE DESCRIPTION :

Sample 1 One sample of Laminate - 1
Sample 2 One sample of Laminate - 2
Sample 3 One sample of Laminate - 3

DATE IN : 28 February ,2023 (13:18:00)
RESUBMIT DATE : 16 March ,2023
DATE OUT : 20 March ,2023

TEST	SAMPLE		
	1	2	3
Determination of Brominated Flame Retardants	P	P	P
Determination of Extractable PFOS&PFOA	P	P	P
Determination of Short Chained Chlorinated Paraffins (C10-C13)	P	P	P

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE / LS = LACK OF SAMPLE / NC = NO COMMENT / I = INCONCLUSIVE / # = SEE RESULT / NF = NEEDS FURTHER TESTING / A = ABSENT / M = MARGINAL ACCEPT / SD = SEE DETAILS ENCLOSED / FS: FURTHER STEPS / MA = MINIMUM AMOUNT

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R E S U L T S

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Hardline

Test Method	Results	Requirements
Determination of Brominated Flame Retardants		
IHTM AL.2.449 refer to BS EN ISO 17881-1:2016 by GC-MS Determination		
Sample 1		
Tetrabromodiphenyl ether (TetraBDE)	Not Detected	10 ppm
Pentabromodiphenyl ether (PentaBDE)	Not Detected	
Hexabromodiphenyl ether (HexaBDE)	Not Detected	
Heptabromodiphenyl ether (HeptaBDE)	Not Detected	
Decabromodiphenyl ether (Bis(pentabromophenyl) ether) (DecaBDE)	Not Detected	
Hexabromocyclododecane (HBCDD)	Not Detected	100 ppm

Detection limit: 0.5 ppm

Estimated Total Uncertainty=(Plastic:±18%;Textile: ±14%)

Determination of Brominated Flame Retardants		
IHTM AL.2.449 refer to BS EN ISO 17881-1:2016 by GC-MS Determination		
Sample 2		
Tetrabromodiphenyl ether (TetraBDE)	Not Detected	10 ppm
Pentabromodiphenyl ether (PentaBDE)	Not Detected	
Hexabromodiphenyl ether (HexaBDE)	Not Detected	
Heptabromodiphenyl ether (HeptaBDE)	Not Detected	
Decabromodiphenyl ether (Bis(pentabromophenyl) ether) (DecaBDE)	Not Detected	
Hexabromocyclododecane (HBCDD)	Not Detected	100 ppm

Detection limit: 0.5 ppm

Estimated Total Uncertainty=(Plastic:±18%;Textile: ±14%)

Determination of Brominated Flame Retardants		
IHTM AL.2.449 refer to BS EN ISO 17881-1:2016 by GC-MS Determination		
Sample 3		
Tetrabromodiphenyl ether (TetraBDE)	Not Detected	10 ppm
Pentabromodiphenyl ether (PentaBDE)	Not Detected	
Hexabromodiphenyl ether (HexaBDE)	Not Detected	
Heptabromodiphenyl ether (HeptaBDE)	Not Detected	
Decabromodiphenyl ether (Bis(pentabromophenyl) ether) (DecaBDE)	Not Detected	
Hexabromocyclododecane (HBCDD)	Not Detected	100 ppm

Detection limit: 0.5 ppm

Estimated Total Uncertainty=(Plastic:±18%;Textile: ±14%)

RESULTS

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Hardline

Test Method	Results	Requirements
Determination of Extractable PFOS&PFOA		
INTERTEK IHTM AL.2.327 refer to CEN/TS 15968:2010		
Solvent Extraction Followed By Liquid Chromotography- Mass Spectrometry(LS-MS-MS) Analysis		
Sample 1		
Grey laminate PFOS (Perfluorooctane Sulfonates)	Result Not Detected	Requirement 1 ppm
Sample 2		
Brown laminate PFOS (Perfluorooctane Sulfonates)	Result Not Detected	Requirement 1 ppm
Sample 3		
Grey laminate PFOS (Perfluorooctane Sulfonates)	Result Not Detected	Requirement 1 ppm
Detection Limit	= 0.1 µg/m² or 0.001 ppm	
ND	= Not Detected	
Estimated Total Uncertainty=(Textile:±8% ; Foam:±7% ; Leather:±6%)		

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Hardline

Test Method	Results	Requirements
Determination of Short Chained Chlorinated Paraffins (C10-C13)		
IHTM AL.2.038 refer to ISO 22818 by LC-MS-MS, GC-ECNI-MS Determination		
By High Performance Liquid Chromatography&Mass Spectroscopy (LC-MS-MS) Analysis		
Sample 1		
Grey laminate		
Short Chained Paraffins C10- C13	Not Detected	1500 ppm#
#Remark: REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants		
Sample 2		
Brown laminate		
Short Chained Paraffins C10- C13	Not Detected	1500 ppm#
#Remark: REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants		
Sample 3		
Grey laminate		
Short Chained Paraffins C10- C13	Not Detected	1500 ppm#
#Remark: REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on persistent organic pollutants		
ppm (part per million)	=mg / kg	
Detection Limit	=30 ppm	
<	=Less Than	
Estimated Total Uncertainty=(±%27)		

RESULTS

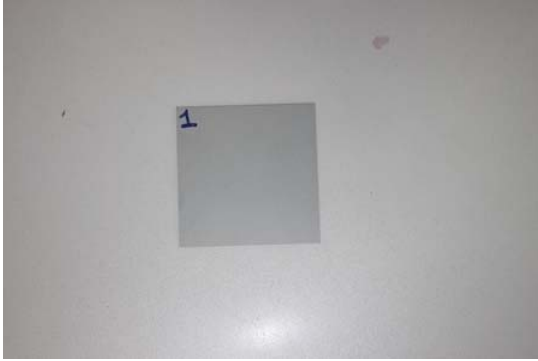
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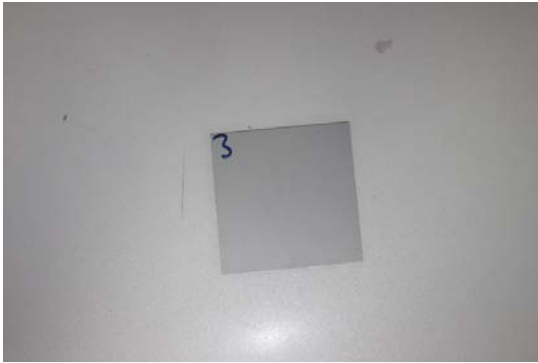
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Hardline

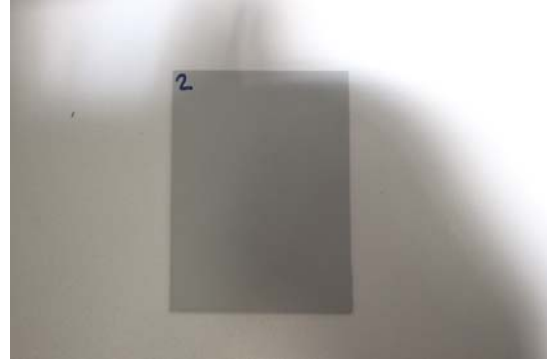
Sample 1



Sample 3



Sample 2



END OF TEST REPORT