



AB-0716-T
TURT240051340
05-24

TEST REPORT

Page 1 of 10

REPORT NUMBER : TURT240051340
APPLICANT NAME Bigpoint Kırtasiye San. ve Tic.Ltd.Şti.
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Attention : Efe Yüksel (efe@bigpoint.com.tr)
SAMPLE DESCRIPTION : One sample of Stapler (LT320-95)
DATE IN : 02 May, 2024 (09:08)
RESUBMIT DATE : 15 May, 2024
DATE OUT : 22 May, 2024
SAMPLE DESCRIPTION : STAPLER
BRAND : LOTTE
ITEM NO : LT320-95
MANUFACTURER : J.J.L. HARDWARE STATIONERY CO., LTD
COUNTRY OF ORIGIN : CHINA

İrem YURTVERMEZ YILMAZ
Customer Care Executive

Kerem CAN
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240051340

RESULTS

REPORT: TURT240051340

Page 2 of 10

22 May, 2024

SAMPLE PHOTOS



Intertek Test Hizmetleri A.S.

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R E S U L T S

Page 3 of 10

REPORT: TURT240051340

22 May, 2024

Part No	Tested Part
1	White Inner Plastic Part
2	Black Plastic Part
3	Silver Bottom Metal Part
4	Silver Upper Metal Panel
5	Silver Nail
6	Silver Thin Spring
7	Silver Long Nail
8	Silver Nail
9	Silver Staple Tray
10	Grey Upper Button Part
11	Silver Upper Button Part
12	Silver Big Slider
13	Silver Small Slider
14	Silver Spring
15	Black Spring

Remark: Only suitable parts tested for the related tests.

RESULTS

Page 4 of 10

REPORT: TURT240051340

22 May, 2024

RESULTS :

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Failed Item
DETERMINATION OF CERTAIN AROMATIC AMINES DERIVED FROM AZO	EN ISO 14362-1 determined by GC-MS, HPLC-MS	NA	NA	<30 ppm	REACH ANNEX XVII	-
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) ANALYSIS	IHTM AL.2.032 based on AfPS GS & EN 17132 by GC-MS	P	-	1 ppm	REACH ANNEX XVII	-
DETERMINATION OF CADMIUM CONTENT	IHTM AL.2.222 refer to USEPA 3050B / USEPA 3051A/ US EPA 3052 by acid digestion and determined by ICP-OES	P	-	Metal, Plastic 100 ppm; Coating, print, dye 1000 ppm	REACH ANNEX XVII	-
DETERMINATION OF LEAD CONTENT	IHTM AL.2.222 refer to USEPA 3050B / USEPA 3051A/ US EPA 3052 by acid digestion and determined by ICP-OES	P	-	500 ppm (0.05%)	REACH ANNEX XVII	-
TRIBUTYL TIN (TBT) CONTENT	INTERTEK IHTM AL.2.030 refer to ISO 17353 / BS EN ISO 17353	P	-	1000 ppm (0.1%)	REACH ANNEX XVII	-
RELEASE OF NICKEL FOR COATED ITEM	BS EN 12472 & EN 1811 by ICP-MS Determination	P	-	<0.88 µg/cm ² /week	REACH ANNEX XVII	-
DMFU CONTENT	IHTM AL.2.136 By Solvent Extraction and Chromatographic Analysis using Mass Spectrometry (GC-MS)	NA	NA	1000 ppm (0.1%)	REACH ANNEX XVII	-
DETERMINATION OF BISPENOL A (BPA) CONTENT	IHTM AL.2.330	NA	NA	≤0.02 ppm	REACH ANNEX XVII	-
DETERMINATION OF CR+VI CONTENT	ISO 17075-2 with HPLC Determination	NA	NA	3 ppm	REACH ANNEX XVII	-
DETERMINATION OF DIETHYLENE GLYCOL MONOBUTYL (DEGBE)	IHTM AL.2.409 refer to EPA 5000 & EPA 5021A with Headspace GC/MS	NA	NA	≤(3%)	REACH ANNEX XVII	-
TOLUENE CONTENT	IHTM AL.2.409 refer to EPA 5000 & EPA 5021A with Headspace GC/MS	NA	NA	≤1000 ppm (0.1%)	REACH ANNEX XVII	-
VINYL CHLORIDE MONOMER(VCM) CONTENT	IHTM AL.2.393 refer to ISO 6401 and GB/T 4615	NA	NA	No Requirement	REACH ANNEX XVII	-

RESULTS

Page 5 of 10

REPORT: TURT240051340

22 May, 2024

RESULTS :

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Failed Item
DETERMINATION OF LEAD CARBONATE / SULFATE CONTENT	IHTM AL.2.222 refer to USEPA 3050B / USEPA 3051A/ US EPA 3052 by acid digestion and determined by ICP-OES	NA	NA	Not Detected	REACH ANNEX XVII	-

P = MEETS BUYER' S REQUIREMENT (GEÇTİ) / F = DOES NOT MEET BUYER' S REQUIREMENT (KALDI) / NR = NO REQUIREMENT (SINIR DEĞER BELİRTİLMEDİ) / SC=STILL CONTINUES (TEST İŞLEMİ DEVAM EDİYOR) / X=NOT PERFORMED (TEST EDİLMEDİ) / I = INCONCLUSIVE / NC = NO COMMENT / NA= NOT APPLICABLE

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R E S U L T S

Page 6 of 10

REPORT: TURT240051340

22 May, 2024

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS

IHTM AL.2.032 based on AfPS GS & EN 17132 by GC-MS

	Part 2	RESULT (mg/kg)	REQUIREMENT
1	Benzo (a) pyrene	Not Detected	1 ppm
2	Benzo (e) pyrene	Not Detected	1 ppm
3	Benzo (a) anthracene	Not Detected	1 ppm
4	Benzo (b) fluoranthene	Not Detected	1 ppm
5	Benzo (j) fluoranthene	Not Detected	1 ppm
6	Benzo (k) fluoranthene	Not Detected	1 ppm
7	Chrysene	Not Detected	1 ppm
8	Dibenzo (a,h) anthracene	Not Detected	1 ppm

ppm (part per million) = mg / kg
Detection Limit = 0.1 ppm

Estimated Total Uncertainty = (Textile:±15%, Plastic:±17%)

R E S U L T S

Page 7 of 10

REPORT: TURT240051340

22 May, 2024

DETERMINATION OF CADMIUM CONTENT

IHTM AL.2.222 refer to USEPA 3050B / USEPA 3051A/ USEPA 3052 by acid digestion and determined by ICP-OES

Part 1&2	RESULTS	REQUIREMENT
	Not Detected	100 ppm (0.01%)
ppm:	=parts per million (mg/kg)	
Detection Limit :	=8 ppm	
%	=Percentage based on dry weight of sample	

REMARK : As per Cadmium Content Requirement in Annex XVII item 23 of the REACH Regulation (EC) No: 1907/2006 (Formerly Known as Directive 91/338/EEC), Acid Digestion Method was used Total Cadmium Content was determined by ICP-OES

Estimated Total Uncertainty=(Dye: $\pm 16\%$, Glass: $\pm 16\%$, Metal: $\pm 16\%$, Plastic: $\pm 16\%$, Textile: $\pm 15\%$)

R E S U L T S

Page 8 of 10

REPORT: TURT240051340

22 May, 2024

DETERMINATION OF LEAD CONTENT

IHTM AL.2.222 refer to USEPA 3050B / USEPA 3051A/ USEPA 3052 by acid digestion and determined by ICP-OES

	RESULTS	REQUIREMENT
Part 1&2	Not Detected	500 ppm (0.05%)
Part 3	Not Detected	500 ppm (0.05%)
Part 4	Not Detected	500 ppm (0.05%)
Part 5	Not Detected	500 ppm (0.05%)
Part 6	Not Detected	500 ppm (0.05%)
Part 7	Not Detected	500 ppm (0.05%)
Part 8	Not Detected	500 ppm (0.05%)
Part 9	Not Detected	500 ppm (0.05%)
Part 10	Not Detected	500 ppm (0.05%)
Part 11	47 ppm	500 ppm (0.05%)
Part 12	Not Detected	500 ppm (0.05%)
Part 13	Not Detected	500 ppm (0.05%)
Part 14	Not Detected	500 ppm (0.05%)
Part 15	Not Detected	500 ppm (0.05%)

ppm: =parts per million (mg/kg)
Detection Limit : =8 ppm
% =Percentage based on dry weight of sample

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±16%, Textile: ±15%)

R E S U L T S

REPORT: TURT240051340

22 May, 2024

TRIBUTYL TIN (TBT) CONTENT

INTERTEK IHTM AL.2.030 refer to ISO 17353 / BS EN ISO 17353

ETHANOL EXTRACTION, DERIVATISATION AND ANALYSIS BY GAS CHROMATOGRAPHY - MASS SPECTROPHOTOMETRY

	RESULTS	REQUIREMENT
Part 1	Not Detected	1000 ppm (0.1%)
Part 2	Not Detected	1000 ppm (0.1%)

ppm: parts per million (mg/kg)
Detection Limit : 0.050 ppm

Estimated Total Uncertainty =(Plastic:±19%; Leather:±19%)

R E S U L T S

Page 10 of 10

REPORT: TURT240051340

22 May, 2024

RELEASE OF NICKEL FOR COATED ITEM

BS EN 12472 & EN 1811 by ICP-MS Determination

<u>Tested Component</u>	<u>Trial</u>	<u>Area (cm²)</u>	<u>Final Volume (ml)</u>	<u>Volume (ml)</u>	<u>Result Δ ($\mu\text{g}/\text{cm}^2/\text{week}$)</u>
Part 11	1	17.1	500	297.1	<0.05*

*Due to insufficient sample size, 3 parallel samples could not be tested.

Requirement = 0.88 $\mu\text{g}/\text{cm}^2/\text{week}$

< =Less Than

Detection limit =0.05 $\mu\text{g}/\text{cm}^2/\text{week}$

Remark =Nickel Content Requirement in Annex XVII Item 27 of the Reach Regulation (EC) No:1907/2006 & Amendment No. 552/2009 (Formerly known as Directive 94/27/EC and 2004/96/EC)

Remark :

Δ = According to EN 1811 compliance decision was made based on the following rules.

Result	Interpretation
< 0.88	Compliance (Pass)
\geq 0.88	Non-compliance (Fail)

Estimated Total Uncertainty = ($\pm 8\%$)

END OF TEST REPORT