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| AB-0716-T |
| TURT240051340 |
| 05-24 |

TEST REPORT

REPORT NUMBER : TURT240051340
APPLICANT NAME Bigpoint Kırtasiye San. ve Tic.Ltd.Şti.
ADDRESS Merkez Mah. 29 Ekim Cad.No:53 Bahçelievler/İstanbul
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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 : PUNCH
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
Consumer Products Operational
Excellence Director

Intertek Test Hizmetleri A.S.
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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

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

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 BISPHEENOL 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 | - |

R E S U L T S

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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RESULTS

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%)

RESULTS

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: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±16%, Textile: ±15%)

R E S U L T S

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%)

RESULTS

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 CHROMATOGRAPY - 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%)

RESULTS

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