

AB-0716-T
TURT240046945
05-24

## TEST REPORT

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**REPORT NUMBER :** TURT240046945  
**APPLICANT NAME** Bigpoint Kırtasiye San. ve Tic.Ltd.Şti.  
**ADDRESS** Merkez Mah. 29 Ekim Cad.No:53 Bahçelievler/İstanbul  
Tel: 0212 551 00 92, Fax:0212 551 09 57  
**Attention :** Efe Yüksel (efe@bigpoint.com.tr)  
**SAMPLE DESCRIPTION :**  
**Sample 1:** Two samples of Bigpoint Paint Marker Blue  
**Sample 2:** Two samples of Bigpoint Paint Marker Black  
**Sample 3:** Two samples of Bigpoint Paint Marker White

**DATE IN :** 19 April, 2024 (10:32)

**DATE OUT :** 02 May, 2024

**SAMPLE PICTURES :**



**MODEL STYLE NO :** BP925-35 / BP925-95 / BP925-01

İrem YURTVERMEZ YILMAZ  
Customer Care Executive

Kerem CAN  
Consumer Products Operational  
Excellence Director

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Part No	Tested Part
1	White cover (Sample 1&2&3)
2	White inner conic plastic part (Sample 1&2&3)
3	White inner thin conic part (Sample 1&2&3)
4	White inner round plastic part (Sample 1&2&3)
5	Blue conic cover (Sample 1)
6	Black conic cover (Sample 2)
7	White conic cover (Sample 3)
8	Blue small cover (Sample 1)
9	Black small cover (Sample 2)
10	White small cover (Sample 3)
11	Blue dye (Sample 1)
12	Black dye (Sample 2)
13	White dye (Sample 3)
14	Multicolour coating (Sample 1&2&3)
15	Silver pen body (Sample 1&2&3)
16	Grey inner foam (Sample 1&2&3)
17	Brown felt tip (Sample 1&2&3)

Remark: Only suitable parts tested for the related tests.

## RESULTS

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### 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	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 BISPHENOL A (BPA) CONTENT	IHTM AL.2.330	NA	NA	No Requirement	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

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## 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	P	-	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

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## POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS

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

	Part 1	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

	Part 5&6&7	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

	Part 8&9&10	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%)**

**Intertek Test Hizmetleri A.S.**

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**POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS**

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

	Part 14	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

	Part 17	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%)**

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**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

	RESULTS	REQUIREMENT
Part 1&2&3	Not Detected	100 ppm (0.01%)
Part 4&5&6	Not Detected	100 ppm (0.01%)
Part 7&8	Not Detected	100 ppm (0.01%)
Part 9&10	Not Detected	100 ppm (0.01%)
Part 11&12&13	Not Detected	1000 ppm (0.1%)
Part 14	Not Detected	1000 ppm (0.1%)
Part 16	Not Detected	100 ppm (0.01%)
Part 17	Not Detected	100 ppm (0.01%)

ppm: parts per million (mg/kg)  
Detection Limit : 8 ppm

REMARK As per Lead Content Requirement in Annex XVII Entry 63, and Cadmium Content Requirement in Annex XVII Entry 23 of the REACH Regulation (EC) No:1907/2006 (Formerly Known as Directive 91/338/EEC), Acid Digestion Method was used Total Lead Content was determined by ICP-OES

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

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**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

	RESULTS	REQUIREMENT
Part 1&2&3	Not Detected	500 ppm (0.05%)
Part 4&5&6	Not Detected	500 ppm (0.05%)
Part 7&8	Not Detected	500 ppm (0.05%)
Part 9&10	Not Detected	500 ppm (0.05%)
Part 11&12&13	Not Detected	500 ppm (0.05%)
Part 14	Not Detected	500 ppm (0.05%)
Part 15	14 ppm	500 ppm (0.05%)
Part 16	Not Detected	500 ppm (0.05%)
Part 17	Not Detected	500 ppm (0.05%)

ppm: parts per million (mg/kg)  
Detection Limit : 8 ppm

REMARK As per Lead Content Requirement in Annex XVII Entry 63, and Cadmium Content Requirement in Annex XVII Entry 23 of the REACH Regulation (EC) No:1907/2006 (Formerly Known as Directive 91/338/EEC), Acid Digestion Method was used Total Lead Content was determined by ICP-OES

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



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**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

**Part 1&5&6**

**Part 7&8&9**

**Part 10**

**RESULTS**

Not Detected

Not Detected

Not Detected

**REQUIREMENT**

1000 ppm (0.1%)

1000 ppm (0.1%)

1000 ppm (0.1%)

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

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

RESULTS

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**RELEASE OF NICKEL FOR COATED ITEM**

BS EN 12472 & EN 1811 by ICP-MS Determination

<u>Tested Component</u>	<u>Trial</u>	<u>Area (cm<sup>2</sup>)</u>	<u>Final Volume (ml)</u>	<u>Volume (ml)</u>	<u>Result <math>\Delta</math> (<math>\mu\text{g}/\text{cm}^2/\text{week}</math>)</u>
Part 15	1	50.2	100	50.2	<0.05
	2	50.2	100	50.2	<0.05
	3	50.2	100	50.2	<0.05

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 :

$\Delta$  = 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 = ( $\pm 8\%$ )

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**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

Part 11&12&13	RESULTS	REQUIREMENT
<b>Lead Carbonate (598-63-0)</b>		
Lead(II)carbonate (PbCO <sub>3</sub> ) (598-63-0)	Not Detected	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO <sub>3</sub> -Pb(OH) <sub>2</sub> (1319-46-6)	Not Detected	
<b>Lead Sulfate (12137-74-5)</b>		
Lead(II) sulfate- PbSO <sub>4</sub> (7446-14-2)	Not Detected	Not Detected
Lead(2+);sulfate -Pb <sub>x</sub> SO <sub>4</sub> - (15739-80-7)	Not Detected	

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

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

## END OF TEST REPORT ##