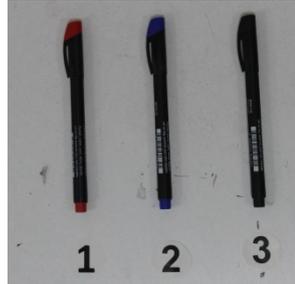




AB-0716-T
TURT251140795
12-25

## TEST REPORT

**REPORT NUMBER :** TURT251140795  
**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:** Four samples of Bigpoint Red Coloured OHP Marker  
**Sample 2:** Four samples of Bigpoint Navy Coloured OHP Marker  
**Sample 3:** Four samples of Bigpoint Black Coloured OHP Marker  
**DATE IN :** 12 December, 2025  
**DATE OUT :** 18 December, 2025  
**BRAND :** BIGPOINT  
**ITEM NO :** BP917-25, BP917-35, BP917-95, BP918-25, BP918-35, BP918-95  
**MANUFACTURER NAME :** KOREA WHITE IND. CO. LTD.  
**COUNTRY OF ORIGIN :** KOREA  
**SAMPLE PICTURES :**



PP

  
Seda Ekinci



Gaye CALIŞKAN  
Customer Care Executive

Emre ÇALIK  
Chemical Laboratory Manager

**Intertek Test Hizmetleri A.S.**  
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Part No	Tested Part
1	Black plastic body (Sample 1&2&3)
2	Black plastic cover (Sample 1&2&3)
3	Red plastic dip part (Sample 1)
4	Red plastic tip part (Sample 1)
5	Red coating on plastic body (Sample 1&2&3)
6	White coating on plastic body (Sample 1&2&3)
7	Blue coating on plastic body (Sample 1&2&3)
8	Transparent plastic tip (Sample 1&2&3)
9	Transparent inner plastic film (Sample 1&2&3)
10	White inner felt (Sample 1&2&3)
11	Blue plastic dip part (Sample 2)
12	Blue plastic tip part (Sample 2)
13	White felt tip (Sample 1&2&3)
14	Black plastic cover part (Sample 3)
15	Red dye (Sample 1)
16	Navy dye (Sample 2)
17	Black dye (Sample 3)

Remark: Only suitable parts tested for the related tests.

RESULTS

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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	In-House Method – "IHTM AL.2.032 Rev.15" (Based on AfPS GS and EN 17132) (Using GC-MS)	P	-	1 ppm	REACH ANNEX XVII	-
DETERMINATION OF CADMIUM CONTENT	In-House Method – "IHTM AL.2.222. Rev.10" (With reference to EPA 3050B, EPA 3051A, EPA 3052) (Using ICP-OES)	P	-	Metal, Plastic 100 ppm; Coating, print, dye 1000 ppm	REACH ANNEX XVII	-
DETERMINATION OF LEAD CONTENT	In-House Method – "IHTM AL.2.222. Rev.10" (With reference to EPA 3050B, EPA 3051A, EPA 3052) (Using ICP-OES)	P	-	500 ppm (0.05%)	REACH ANNEX XVII	-
TRIBUTYLTIN (TBT) CONTENT	In-House Method – "IHTM AL.2.030 Rev.13" (based on ISO 17353) (Using GC-MS)	P	-	1000 ppm (0.1%)	REACH ANNEX XVII	-
RELEASE OF NICKEL FOR COATED ITEM	BS EN 12472 & EN 1811:2023 by ICP-MS Determination	NA	NA	<0.88	REACH ANNEX XVII	-
DMFU CONTENT	In-House Method – "IHTM AL.2.136. Rev.10" (Based on BS EN 17130) (Using GC-MS)	NA	NA	1000 ppm (0.1%)	REACH ANNEX XVII	-
DETERMINATION OF BISPHEENOL A (BPA) CONTENT	In-House Method - "IHTM AL.2.330 Rev.5" (Using LC-MS-MS)	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)	In-house method – "IHTM AL.2.409. Rev.2" (Based on EPA 5000 & EPA 5021A) (Using GC-MS Headspace)	NA	NA	≤(3%)	REACH ANNEX XVII	-
TOLUENE CONTENT	In-house method – "IHTM AL.2.409. Rev.2" (Based on EPA 5000 & EPA 5021A) (Using GC-MS Headspace)	P	-	≤1000 ppm (0.1%)	REACH ANNEX XVII	-
VINYL CHLORIDE MONOMER(VCM) CONTENT	In-House Method – "IHTM AL.2.393. Rev.1"(based on ISO 6401 and GB/T 4615) (using GC-MS-HS)	NA	NA	No Requirement	REACH ANNEX XVII	-

**Intertek Test Hizmetleri A.S.**

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**R E S U L T S**

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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	In-House Method – "IHTM AL.2.222. Rev.10" (With reference to EPA 3050B, EPA 3051A, EPA 3052) (Using ICP-OES)	P	-	See Result	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

This report (including any enclosures and attachments) are prepared for the exclusive use of the Customer(s) named in the report and solely for the purpose for which it is provided and on the basis of instructions and information and/or materials supplied by Intertek's Customer. The test results relate only to the specific items tested and are not intended to be a recommendation for any particular course of action. Customer is responsible for acting as it sees fit on the basis of such results. Unless Intertek provide express prior written consent, no part of this report should be reproduced, distributed or communicated to any third party. Nor could it be used for PR activities. Intertek do not accept any liability if this report is used for an alternative purpose from which it is intended, nor do Intertek owe any duty of care to any third party in respect of this report. Except where explicitly agreed in writing, all work and services performed is governed by Intertek Standard Terms and Conditions of Service which is available on request or can be obtained at <http://www.intertek.com/terms>. Testing reports without signature are not valid. The sample has been provided by the customer and the results apply to the sample as received. Sample information is supplied by the customer. Unless otherwise requested, this laboratory applies shared risk decision rule. Unless otherwise is specified, all Pass or Fail results are given without uncertainty considered. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with ISO/IEC 17025 and TÜRKAK accreditation requirements.. Tests marked (\*) in this test report are not included in the TÜRKAK accreditation schedule for this laboratory. Intertek accredited by TÜRKAK under registration number [AB-0716-T] for [TS EN ISO IEC 17025] as test laboratory. Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports.

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**POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS**

In-House Method – "IHTM AL.2.032 Rev.15" (Based on AfPS GS and EN 17132) (Using GC-MS)

	<b>Part 1&amp;2&amp;3</b>	<b>RESULT (mg/kg)</b>	<b>REQUIREMENT</b>
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

	<b>Part 4&amp;11&amp;12</b>	<b>RESULT (mg/kg)</b>	<b>REQUIREMENT</b>
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

	<b>Part 13</b>	<b>RESULT (mg/kg)</b>	<b>REQUIREMENT</b>
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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**POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS**

In-House Method – "IHTM AL.2.032 Rev.15" (Based on AfPS GS and EN 17132) (Using GC-MS)

	<b>Part 14</b>	<b>RESULT (mg/kg)</b>	<b>REQUIREMENT</b>
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**

In-House Method – "IHTM AL.2.222. Rev.10" (With reference to EPA 3050B, EPA 3051A, EPA 3052) (Using ICP-OES)

	<b>RESULTS</b>	<b>REQUIREMENT</b>
<b>Part 1&amp;2&amp;3</b>	Not Detected	100 ppm (0.01%)
<b>Part 4&amp;14</b>	Not Detected	100 ppm (0.01%)
<b>Part 5&amp;6&amp;7</b>	Not Detected	100 ppm (0.01%)
<b>Part 8&amp;9</b>	Not Detected	100 ppm (0.01%)
<b>Part 10&amp;13</b>	Not Detected	100 ppm (0.01%)
<b>Part 11&amp;12</b>	Not Detected	100 ppm (0.01%)
<b>Part 15&amp;16&amp;17</b>	Not Detected	1000 ppm (0.1%)

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**

In-House Method – "IHTM AL.2.222. Rev.10" (With reference to EPA 3050B, EPA 3051A, EPA 3052) (Using ICP-OES)

	<b>RESULTS</b>	<b>REQUIREMENT</b>
<b>Part 1&amp;2&amp;3</b>	Not Detected	500 ppm (0.05%)
<b>Part 4&amp;14</b>	Not Detected	500 ppm (0.05%)
<b>Part 5&amp;6&amp;7</b>	Not Detected	500 ppm (0.05%)
<b>Part 8</b>	Not Detected	500 ppm (0.05%)
<b>Part 13</b>	Not Detected	500 ppm (0.05%)
<b>Part 11&amp;12</b>	Not Detected	500 ppm (0.05%)
<b>Part 15&amp;16&amp;17</b>	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**

In-House Method – "IHTM AL.2.030 Rev.13" (based on ISO 17353) (Using GC-MS)

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

	<b>RESULTS</b>	<b>REQUIREMENT</b>
<b>Part 1&amp;2&amp;3</b>	Not Detected	1000 ppm (0.1%)
<b>Part 4&amp;11&amp;12</b>	Not Detected	1000 ppm (0.1%)
<b>Part 5&amp;6&amp;7</b>	Not Detected	1000 ppm (0.1%)
<b>Part 8&amp;14</b>	Not Detected	1000 ppm (0.1%)
<b>Part 13</b>	Not Detected	1000 ppm (0.1%)

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

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

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**TOLUENE CONTENT**

In-house method – "IHTM AL.2.409. Rev.2" (Based on EPA 5000 & EPA 5021A) (Using GC-MS Headspace)

	RESULTS	REQUIREMENT
<b>Part 10</b>	Not Detected	≤1000 ppm (0.1%)
ppm:	parts per million (mg/kg)	
Detection Limit :	5 ppm	

**Estimated Total Uncertainty=(Plastic: ± 25% ; Liquid: ± 21% ; Textile: ± 27%)**

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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 15&16&17	RESULTS(#)	REQUIREMENT
<b>Lead Carbonate</b>	Not Detected	
Lead(II)carbonate (PbCO <sub>3</sub> )	Not Detected	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO <sub>3</sub> -Pb(OH) <sub>2</sub>	Not Detected	
<b>Lead Sulfate</b>	Not Detected	
Lead(II) sulfate- PbSO <sub>4</sub>	Not Detected	Not Detected
Lead(2+);sulfate -PbxSO <sub>4</sub>	Not Detected	

ppm: parts per million (mg/kg)  
Detection Limit : 0.050 ppm  
Estimated Total Uncertainty =(Plastic:±19%; Leather:±19% Dye: ±16%, Glass: ±16%, Metal: ±16%,  
Textile: ±15%)

#: Test results are reported using the worst case scenario approach and probability calculation according to the elemental lead result.

NOTE: Within the scope of the "Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals", the limit of Lead Carbonate / Lead Sulfate organics is specified as "Not to be detected".

When the results for these substances, which cannot be examined in compound form, are reported with the worst-case scenario approach and probability calculation compared to those made with elemental lead, Pass/Fail comments are not made.

## END OF TEST REPORT ##