Test
TS EN ISO/IEC 17025
AB-0716-T

AB-0716-T
TURT250059029
06-25

TEST REPORT

REPORT NUMBER : **TURT250059029**

APPLICANT NAME : **Bigpoint Kırtasiye San. ve Tic.Ltd.Şti.**

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Attention : **Efe Yüksel (efe@bigpoint.com.tr)**

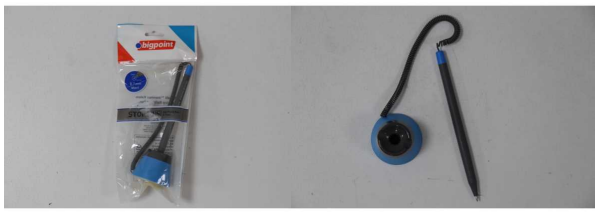
SAMPLE DESCRIPTION :

Sample 1 One sample of paint marker
Sample 2 One sample of Blue stopen ball point

DATE IN / DATE OF TESTING **29 May 2025 (13:56)**
RESUBMIT DATE : **02 June 2025 (10:41)**
DATE OUT : **12 June ,2025**
BRAND : BIGPOINT
MANUFACTURER NAME : KANGNAM KPI CO,LTD
ITEM NO : BP926-01,BP939-35
SAMPLE DESCRIPTION : PAINT MARKER,BALLPOINT PEN
COUNTRY OF ORIGIN : KOREA
FIBER COMPOSITION : Not Given
PROVIDED CARE LABEL : Not Given

Sample 1 Sample 1 Sample 2 Sample 2





PP

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250059029

TEST REPORT

	SAMPLE	
TEST	1	2
Determination Of Bisphenol A (BPA) Content	NA	NA
Determination of Certain Aromatic Amines Derived from Azo Colorants	NA	NA
Determination Of Cr+VI Content	NA	NA
Determination Of Diethylene glycol monobutyl (DEGBE) Content	NA	NA
DMFu Content	P	P
Toluene Content	NA	P
Tributyltin (TBT) Content	P	P
Vinyl Chloride Monomer(VCM) Content	NA	NA
Release Of Nickel For Coated Item	NA	NA
Determination Of Cadmium Content	P	P
Determination Of Lead Carbonate / Sulfate Content	P	NA
Determination Of Lead Content	P	P
Polycyclic Aromatic Hydrocarbons (PAHs) Analysis	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
REPORT :TURT250059029
DATE IN / DATE OF TESTING : 29 May ,2025 (13:56:00)

12 June ,2025
STATIONERY

Test Method	Results	Requirements

DMFu Content

ISO 16186 determined by GC-MS

Result

	Result	Requirement
Sample: 1 **Grey plastic body , Blue plastic end part ,Grey plastic spring**	Not Detected	≤1000 ppm (0.1%)

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	Result	Requirement
Sample: 2 **Blue plastic body, Grey plastic body, Black bottom plastic part**	Not Detected	≤1000 ppm (0.1%)
Sample: 2 **White foam with glue**	Not Detected	≤1000 ppm (0.1%)

.

DETECTION LIMIT: 0.1 ppm
ppm:mg/kg

Estimated Total Uncertainity=(Silica gel:±12% Textile:±11% Leather:±15% Polymer:±11%)

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Test Method	Results	Requirements

Toluene Content

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

	Result	Requirement
Sample: 2 **White foam with glue**	Not Detected	5 ppm

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ppm : mg/kg
Detection Limit : 5 ppm

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

Tributyltin (TBT) Content

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

Sample: 1 **Grey plastic body , Blue plastic end part ,Grey plastic spring**	Result	Requirement
Tributyltin (TBT)	Not Detected	1000 ppm (%0.1)

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ppm (part per million) = mg/kg
Detection Limit = 0.05 ppm
< = Less Than

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

Test Method	Results	Requirements

Tributyltin (TBT) Content

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

Sample : 2 Blue plastic body, Grey plastic body, Black bottom plastic part	Result	Requirement
Tributyltin (TBT)	Not Detected	1000 ppm (%0.1)
Sample: 2 White foam with glue		
Tributyltin (TBT)	Not Detected	1000 ppm (%0.1)

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ppm (part per million) = mg/kg
Detection Limit = 0.05 ppm
< = Less Than

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

Test Method	Results	Requirements

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)

	Result	Requirement
Sample: 1 Grey plastic body , Blue plastic end part	Not Detected	100 ppm (0.01%)
Sample: 1 White coating	Not Detected	100 ppm (0.01%)
Sample: 1&2 Grey plastic spring (Sample 1),Blue plastic body (Sample 2),Grey plastic body (Sample 2)	Not Detected	100 ppm (0.01%)
Sample: 1&2 Black bottom plastic part (Sample 2),White inner plastic tube (Sample 1)	Not Detected	100 ppm (0.01%)
Sample: 2 White foam with glue	Not Detected	100 ppm (0.01%)
Sample: 1 Blue ink	Not Detected	100 ppm (0.01%)

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#: 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.

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

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

Test Method	Results	Requirements

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)

Sample: 1 **Blue ink**	RESULTS	Requirement
Lead Carbonate	Not Detected	Not Detected
Lead(II)carbonate (PbCO3)	Not Detected	
Trilead bis(carbonate) dihydroxide 2 PbCO3-Pb(OH)2	Not Detected	
Lead Sulfate	Not Detected	
Lead(II) sulfate- PbSO4	Not Detected	
Lead(2+);sulfate -PbxSO4	Not Detected	

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

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

Test Method	Results	Requirements

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)

	Result	Requirement
Sample: 1 Grey plastic body , Blue plastic end part	Not Detected	500 ppm
Sample: 1 White coating	Not Detected	500 ppm
Sample: 1&2 Grey plastic spring (Sample 1),Blue plastic body (Sample 2),Grey plastic body (Sample 2)	Not Detected	500 ppm
Sample: 1&2 Black bottom plastic part (Sample 2),White inner plastic tube (Sample 1)	Not Detected	500 ppm
Sample: 2 White foam with glue	Not Detected	500 ppm
Sample: 1 Blue ink	Not Detected	500 ppm

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#: 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.

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

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

Test Method	Results	Requirements

Polycyclic Aromatic Hydrocarbons (PAHs) Analysis

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

Sample: 1 Grey plastic body , Blue plastic end part ,Grey plastic spring	Result	Requirement
BENZO(A)PYRENE	Not Detected	1 ppm
BENZO(E)PYRENE	Not Detected	1 ppm
BENZ(A)ANTHRACENE	Not Detected	1 ppm
BENZO(B)FLUORANTHENE	Not Detected	1 ppm
BENZO(J)FLUORANTHENE	Not Detected	1 ppm
BENZO(K)FLUORANTHENE	Not Detected	1 ppm
CHRYSENE	Not Detected	1 ppm
DIBENZO(A,H)ANTHRACENE	Not Detected	1 ppm

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

Estimated Total Uncertainity=(Textile:±15%, Plastic:±16%)

Test Method	Results	Requirements

Polycyclic Aromatic Hydrocarbons (PAHs) Analysis

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

Sample : 2 Blue plastic body, Grey plastic body, Black bottom plastic part	Result	Requirement
BENZO(A)PYRENE	Not Detected	1 ppm
BENZO(E)PYRENE	Not Detected	1 ppm
BENZ(A)ANTHRACENE	Not Detected	1 ppm
BENZO(B)FLUORANTHENE	Not Detected	1 ppm
BENZO(J)FLUORANTHENE	Not Detected	1 ppm
BENZO(K)FLUORANTHENE	Not Detected	1 ppm
CHRYSENE	Not Detected	1 ppm
DIBENZO(A,H)ANTHRACENE	Not Detected	1 ppm
Sample: 2 **White foam with glue**		
BENZO(A)PYRENE	Not Detected	1 ppm
BENZO(E)PYRENE	Not Detected	1 ppm
BENZ(A)ANTHRACENE	Not Detected	1 ppm
BENZO(B)FLUORANTHENE	Not Detected	1 ppm
BENZO(J)FLUORANTHENE	Not Detected	1 ppm
BENZO(K)FLUORANTHENE	Not Detected	1 ppm
CHRYSENE	Not Detected	1 ppm
DIBENZO(A,H)ANTHRACENE	Not Detected	1 ppm

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

Estimated Total Uncertainity=(Textile:±15%, Plastic:±16%)