

TEST RAPORU

REPORT NUMBER : TURT190127446
APPLICANT NAME **Bilgi Dağ. Kitap Kırt. ve Büro Malz. 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@bilgi-dagitim.com)
SAMPLE DESCRIPTION : One sample of Red black and dark blue Fineliner
BUYER : METRO BTS
DATE IN : 12 July, 2019 (10:04)
DATE OUT : 24 July, 2019
MANUFACTURER : BİLGİ DAĞ KİTAP KIRT. VE BÜRO MALZ. TIC. LTD ŞTİ.
ITEM CODE : BP900-00
PHOTO OF PRODUCT TESTED SAMPLE :



RESULTS : See Attachment
NOTE: Only red,black and dark blue fineliner were tested by the request of the applicant.



Begüm Nazlı Traş
Customer Care Executive



Zeynep AKIN
Chemical Laboratory Manager

Intertek Test Hizmetleri A.S.
Merkez Mahallesi Sanayi Cad. No: 23 Altındağ Plaza Yenibosna 34197 - ISTANBUL / TURKEY
Phone : +90.212. 496 46 46 Fax : +90.212. 452 80 55
e-mail : intertekcg.turkiye@intertek.com
www.intertek-turkey.com



190127446

RESULTS :

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Tested Part
Migration Of Certain Elements	EN 71-3:2013+A3:2018	P	-	See Toxic Element Analysis	Toys Safety Directive	Part 1-3
Total Phthalate Content	INTERTEK IHTM AL.2.026 based on EN 14372 : 2004 according to REACH Regulation	P	-	DBP/DEHP/BBP : 1000 ppm DINP/DNOP/ DIDP :1000 ppm	KKDIK	Part 1-3
Volatile Organic Compounds Screening	IHTM AL.2.409 with HS-Screening GC/MS	P	-	See Volatile Organic Compounds Screening page	-	Part 4-6

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED

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. 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. Opinions and interpretations expressed herein are outside the scope of TÜRKAK accreditation. Tests marked (*) in this test report are not included in the TÜRKAK accreditation schedule for this laboratory.

Part No	Tested Part
1	Red plastic cover
2	Black plastic cover
3	Dark blue plastic cover
4	Red liquid item
5	Black liquid item
6	Dark blue liquid item

Remark: Only suitable parts tested for the related tests.

MIGRATION OF CERTAIN ELEMENTS

EN 71-3:2013+A3:2018

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP_MS.

	Results (mg/kg)				Detection Limit (mg/kg)	Requirements (mg/kg) Category III
	Part 1	Part 2	Part 3			
Antimony (Sb)	ND	ND	ND		0,125	560
Arsenic (As)	ND	ND	ND		0,125	47
Barium (Ba)	ND	ND	ND		0,125	18750
Cadmium (Cd)	ND	ND	ND		0,125	17
Chromium (III) **	ND	ND	ND		0,125	460
Chromium (VI) **	ND	ND	ND		0,125	0,2
Lead (Pb)	ND	ND	ND		0,125	23
Mercury (Hg)	ND	ND	ND		0,0125	94
Selenium (Se)	ND	ND	ND		0,125	460
Aluminium (Al)	ND	ND	ND		0,125	70000
Boron (B)	ND	ND	ND		0,125	15000
Cobalt (Co)	ND	ND	ND		0,125	130
Copper (Cu)	ND	ND	ND		0,125	7700
Manganese (Mn)	ND	ND	ND		0,125	15000
Nickel (Ni)	ND	ND	ND		0,125	930
Strontium (Sr)	ND	ND	ND		0,125	56000
Tin (Sn)	ND	ND	ND		1,25	180000
Organic tin **	ND	ND	ND		0,125	12
Zinc (Zn)	ND	ND	ND		0,125	46000

**= Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

= Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium - migration value of Chromium(VI).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Organotins which are specified Table 3 and Annex J -Table J.1 after converted to Tributyl tin by calculation.

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004 according to REACH Regulation

	Part 1&2&3
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND

ND =Not Detected
ppm (part per million) =mg / kg
Detection Limit = DINP,DIDP : 100 ppm, Other Phthalates : 10 ppm
< =Less Than
* =EXCEEDED LIMIT
LIMIT (MAX.) =DBP,DEHP,BBP < 1000 ppm ; DINP, DNOP, DIDP < 1000 ppm

Intertek Test Hizmetleri A.S.

Merkez Mahallesi Sanayi Cad. No.23 Altindag Plaza Yenibosna 34197 - ISTANBUL / TURKEY

Phone : +90.212. 496 46 46 Fax: +90.212. 452 80 55

e-mail : intertekcg.turkiye@intertek.comwww.intertek-turkey.com

VOLATILE ORGANIC COMPOUNDS

IHTM AL.2.409 with HS-Screening GC/MS

Part 4

SOLVENT NAME	CAS NO.	RESULT
Toluene	108-88-3	Not Detected
Styrene	100-42-6	Not Detected
Butadiene	106-99-1	Not Detected
Kloroetilen (vinil klorür)	75-01-4	Not Detected
Benzene	71-43-3	Not Detected
Aseton	67-64-1	Not Detected
1,1,2 Trikloretan	79-00-5	Not Detected
Perkloretilen (Tetrachloroethene, Tetrachloroethylene, Perchloroethene; Perchloroethylene; Perc; PCE)	127-18-4	Not Detected
1,2 dikloropropan (Propylene dichloride)	78-87-5	Not Detected
1,1,2,2 Tetrakloretan	79-34-5	Not Detected
1,1,1,2 Tetrakloretan	630-20-6	Not Detected
Carbon Tetrachloride	56-23-5	Not Detected
Chloroform	67-66-3	Not Detected
Cyclohexanone	108-94-1	Not Detected
1,2 Dichloroethane	107-06-2	Not Detected
1,1-Dichloroethylene	75-35-4	Not Detected
Dimethylacetamide (DMAC) N,N-Dimethylacetamide	127-19-5	Not Detected
Ethylbenzene	100-41-4	Not Detected
Pentachloroethane	76-01-7	Not Detected
1,1,1-Trichloroethylene	79-01-6	Not Detected
Xylenes (meta-, ortho-, para-)	1330-20-7	Not Detected
	108-38-3	Not Detected
	95-47-6	Not Detected
	106-42-3	Not Detected
1-Methyl-2-pyrrolidone	872-50-4	Not Detected
N,N-Dimetylformamide	68-12-2	Not Detected
1,2,3-trichloropropane	96-18-4	Not Detected
1,1,1-Trichloroethane	71-55-6	Not Detected
Dichloromethane	75-09-2	Not Detected

Detection Limit: 5ppm
Ppm (part per million): 1 mg/kg
Requirement : Total 1000 ppm

VOLATILE ORGANIC COMPOUNDS

IHTM AL.2.409 with HS-Screening GC/MS

Part 5

SOLVENT NAME	CAS NO.	RESULT
Toluene	108-88-3	Not Detected
Styrene	100-42-6	Not Detected
Butadiene	106-99-1	Not Detected
Kloroetilen (vinil klorür)	75-01-4	Not Detected
Benzene	71-43-3	Not Detected
Aseton	67-64-1	Not Detected
1,1,2 Trikloretan	79-00-5	Not Detected
Perkloretilen (Tetrachloroethene, Tetrachloroethylene, Perchloroethene; Perchloroethylene; Perc; PCE)	127-18-4	Not Detected
1,2 dikloropropan (Propylene dichloride)	78-87-5	Not Detected
1,1,2,2 Tetrakloretan	79-34-5	Not Detected
1,1,1,2 Tetrakloretan	630-20-6	Not Detected
Carbon Tetrachloride	56-23-5	Not Detected
Chloroform	67-66-3	Not Detected
Cyclohexanone	108-94-1	Not Detected
1,2 Dichloroethane	107-06-2	Not Detected
1,1-Dichloroethylene	75-35-4	Not Detected
Dimethylacetamide (DMAC) N,N-Dimethylacetamide	127-19-5	Not Detected
Ethylbenzene	100-41-4	Not Detected
Pentachloroethane	76-01-7	Not Detected
1,1,1-Trichloroethylene	79-01-6	Not Detected
Xylenes (meta-, ortho-, para-)	1330-20-7	Not Detected
	108-38-3	Not Detected
	95-47-6	Not Detected
	106-42-3	Not Detected
1-Methyl-2-pyrrolidone	872-50-4	Not Detected
N,N-Dimetylformamide	68-12-2	Not Detected
1,2,3-trichloropropane	96-18-4	Not Detected
1,1,1-Trichloroethane	71-55-6	Not Detected
Dichloromethane	75-09-2	Not Detected

Detection Limit: 5ppm
Ppm (part per million): 1 mg/kg
Requirement : Total 1000 ppm

VOLATILE ORGANIC COMPOUNDS

IHTM AL.2.409 with HS-Screening GC/MS

Part 6

SOLVENT NAME	CAS NO.	RESULT
Toluene	108-88-3	Not Detected
Styrene	100-42-6	Not Detected
Butadiene	106-99-1	Not Detected
Kloroetilen (vinil klorür)	75-01-4	Not Detected
Benzene	71-43-3	Not Detected
Aseton	67-64-1	Not Detected
1,1,2 Trikloretan	79-00-5	Not Detected
Perkloretilen (Tetrachloroethene, Tetrachloroethylene, Perchloroethene; Perchloroethylene; Perc; PCE)	127-18-4	Not Detected
1,2 dikloropropan (Propylene dichloride)	78-87-5	Not Detected
1,1,2,2 Tetrakloretan	79-34-5	Not Detected
1,1,1,2 Tetrakloretan	630-20-6	Not Detected
Carbon Tetrachloride	56-23-5	Not Detected
Chloroform	67-66-3	Not Detected
Cyclohexanone	108-94-1	Not Detected
1,2 Dichloroethane	107-06-2	Not Detected
1,1-Dichloroethylene	75-35-4	Not Detected
Dimethylacetamide (DMAC) N,N-Dimethylacetamide	127-19-5	Not Detected
Ethylbenzene	100-41-4	Not Detected
Pentachloroethane	76-01-7	Not Detected
1,1,1-Trichloroethylene	79-01-6	Not Detected
Xylenes (meta-, ortho-, para-)	1330-20-7	Not Detected
	108-38-3	Not Detected
	95-47-6	Not Detected
	106-42-3	Not Detected
1-Methyl-2-pyrrolidone	872-50-4	Not Detected
N,N-Dimetylformamide	68-12-2	Not Detected
1,2,3-trichloropropane	96-18-4	Not Detected
1,1,1-Trichloroethane	71-55-6	Not Detected
Dichloromethane	75-09-2	Not Detected

Detection Limit: 5ppm
Ppm (part per million): 1 mg/kg
Requirement : Total 1000 ppm

END OF TEST REPORT