

TEST RAPORU

REPORT NUMBER :

TURT190127427

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 Pink and Green Colored paper

BUYER :

METRO BTS

DATE IN :

12 July, 2019 (09:59)

DATE OUT :

22 July, 2019

MANUFACTURER :

BİLGİ DAĞ KİTAP KİRT. VE BÜRO MALZ. TİC. LTD ŞTİ.

ITEM CODE :

BP720-50

**PHOTO OF PRODUCT
TESTED SAMPLE :**



RESULTS :

See Attachment

NOTE :

Only pink and green papers were tested by the request of the applicant.

Begüm Nazlı Traş

Begüm Nazlı Traş
Customer Care Executive

Zeynep AKIN

Zeynep AKIN
Chemical Laboratory Manager

Intertek Test Hizmetleri A.Ş.

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



190127427

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 1,2 |
| APEO Test | BS EN ISO 18254-1:2016 | P | - | 1000 ppm | KKDIK | Part 1,2 |

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 | Green paper |
| 2 | Pink paper |

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 | | | | |
| Antimony (Sb) | ND | ND | | | 0,125 | 560 |
| Arsenic (As) | ND | ND | | | 0,125 | 47 |
| Barium (Ba) | 2.6 | 2.3 | | | 0,125 | 18750 |
| Cadmium (Cd) | ND | ND | | | 0,125 | 17 |
| Chromium (III) ** | ND | ND | | | 0,125 | 460 |
| Chromium (VI) ** | ND | ND | | | 0,125 | 0,2 |
| Lead (Pb) | ND | ND | | | 0,125 | 23 |
| Mercury (Hg) | ND | ND | | | 0,0125 | 94 |
| Selenium (Se) | ND | ND | | | 0,125 | 460 |
| Aluminium (Al) | 272 | 251 | | | 0,125 | 70000 |
| Boron (B) | ND | ND | | | 0,125 | 15000 |
| Cobalt (Co) | ND | ND | | | 0,125 | 130 |
| Copper (Cu) | ND | ND | | | 0,125 | 7700 |
| Manganese (Mn) | 12.5 | 9.8 | | | 0,125 | 15000 |
| Nickel (Ni) | ND | ND | | | 0,125 | 930 |
| Strontium (Sr) | 25 | 21.6 | | | 0,125 | 56000 |
| Tin (Sn) | ND | ND | | | 1,25 | 180000 |
| Organic tin ** | ND | ND | | | 0,125 | 12 |
| Zinc (Zn) | 1.8 | 1.3 | | | 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

DETERMINATION OF ALKYLPHENOETHOXYLATES (APEO)

BS EN ISO 18254-1:2016

Determination of APEO by Liquid Chromatography-Mass Spectrometry (LC-MS-MS) Analysis

Part 1&2

| NAME | | RESULTS (mg/kg) | REQUIREMENT |
|-----------------------|----------------------|-----------------|-------------|
| Nonylphenols | NP | Not Detected | 1000 ppm |
| Octylphenols | OP | Not Detected | |
| Nonylphenoethoxylates | NPEO ₂₋₁₈ | Not Detected | |
| Octylphenoethoxylates | OPEO ₃₋₁₆ | Not Detected | |

ppm (Part per million)

=mg / kg

<

=Less Than

ND

=Not Detected

Detection limit

=1 ppm

END OF TEST REPORT