

TEST REPORT

Page 1 of 10

REPORT NUMBER : TURT230055083
APPLICANT NAME Haslar Kırtasiye Malz.Ürt.San.Tic.Ltd.Şti.
ADDRESS Beşyol Mah.Alağa Sok.No:6 İç Kapı No:1 Küçükçekmece/İstanbul
Attention : Mustafa Bey (mustafa@penmark.com.tr)
SAMPLE DESCRIPTION :

- Sample 1:** Two samples of Orange Coloured Penmark White Board Marker
Sample 2: Two samples of Red Coloured Penmark White Board Marker
Sample 3: Two samples of Green Coloured Penmark White Board Marker
Sample 4: Two samples of Dark Blue Coloured Penmark White Board Marker
Sample 5: Two samples of Purple Coloured Penmark White Board Marker
Sample 6: Two samples of Dark Pink Coloured Penmark White Board Marker
Sample 7: Two samples of Brown Coloured Penmark White Board Marker
Sample 8: Two samples of Black Coloured Penmark White Board Marker

DATE IN : 25 May, 2023 (11:24)
DATE OUT : 05 June, 2023
COLOR : 07 / 03 / 04 / 02 / 06 / 05 / 08 / 01
MODEL/STYLE NO : HS-305
SAMPLE PICTURES :



Ezgi Aleyna Arı
Senior Customer Care Executive

Zeynep Akın
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



230055083

R E S U L T S

Page 2 of 10

REPORT: TURT230055083

05 June, 2023

Part No	Tested Part
1	Multicolour plastic sticker (Sample 1)
2	Multicolour plastic sticker (Sample 2)
3	Multicolour plastic sticker (Sample 3)
4	Multicolour plastic sticker (Sample 4)
5	Multicolour plastic sticker (Sample 5)
6	Multicolour plastic sticker (Sample 6)
7	Multicolour plastic sticker (Sample 7)
8	Multicolour plastic sticker (Sample 8)
9	White plastic body (Sample 1&2&3&4&5&6&7&8)
10	Orange plastic cover & body part (Sample 1)
11	Red plastic cover & body part (Sample 2)
12	Green plastic cover & body part (Sample 3)
13	Dark blue plastic cover & body part (Sample 4)
14	Purple plastic cover & body part (Sample 5)
15	Dark pink plastic cover & body part (Sample 6)
16	Brown plastic cover & body part (Sample 7)
17	Black plastic cover & body part (Sample 8)
18	Felt (Sample 1&2&3&4&5&6)
19	Orange dye (Sample 1)
20	Red dye (Sample 2)
21	Green dye (Sample 3)
22	Dark blue dye (Sample 4)
23	Purple dye (Sample 5)
24	Dark pink dye (Sample 6)
25	Brown dye (Sample 7)
26	Black dye (Sample 8)
27	Big inner felt (Sample 1&2&3&4&5&6)
28	Transparent inner plastic part on big felt (Sample 1&2&3&4&5&6)

Remark: Only suitable parts tested for the related tests.

RESULTS

Page 3 of 10

REPORT: TURT230055083

05 June, 2023

RESULTS :

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Tested Sample
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) ANALYSIS	IHTM AL.2.032 based on AfPS GS 2019:01 determined by GC-MS	P	-	1 ppm	REACH ANNEX XVII	Part 1-18
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	-	<100 ppm for plastics, <1000 ppm for coatings	REACH Annex XVII	Part 1-17,19-26,28
DETERMINATION OF LEAD CONTENT	With reference to USEPA 3050B / USEPA 3051 /USEPA 3051A/ US EPA 3052 ,by acid digestion and determined by ICP-OES	P	-	500 ppm (0.05%)	REACH ANNEX XVII	Part 1-28

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.

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

RESULTS

Page 4 of 10

REPORT: TURT230055083

05 June, 2023

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS

IHTM AL.2.032 based on AfPS GS 2019:01 determined by GC-MS

	Part 9&10&11	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 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 18	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%

RESULTS

REPORT: TURT230055083

Page 5 of 10

05 June, 2023

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS

IHTM AL.2.032 based on AfPS GS 2019:01 determined by GC-MS

	Part 2	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 3	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 12&13&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

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

Estimated Total Uncertainty = Textile:±15%, Plastic:±17%

RESULTS

Page 6 of 10

REPORT: TURT230055083

05 June, 2023

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS

IHTM AL.2.032 based on AfPS GS 2019:01 determined by GC-MS

	Part 4	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 15&16&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

	Part 5	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%

RESULTS

Page 7 of 10

REPORT: TURT230055083

05 June, 2023

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS

IHTM AL.2.032 based on AfPS GS 2019:01 determined by GC-MS

	Part 6	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 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	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%

RESULTS

Page 8 of 10

REPORT: TURT230055083

05 June, 2023

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) ANALYSIS

IHTM AL.2.032 based on AfPS GS 2019:01 determined by GC-MS

	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%

RESULTS

Page 9 of 10

REPORT: TURT230055083

05 June, 2023

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

	Result	Requirement
Part 1	Not Detected	<100 ppm (0.01%)
Part 2	Not Detected	<100 ppm (0.01%)
Part 3	Not Detected	<100 ppm (0.01%)
Part 4	Not Detected	<100 ppm (0.01%)
Part 5	Not Detected	<100 ppm (0.01%)
Part 6	Not Detected	<100 ppm (0.01%)
Part 7	Not Detected	<100 ppm (0.01%)
Part 8	Not Detected	<100 ppm (0.01%)
Part 9&10&11	Not Detected	<100 ppm (0.01%)
Part 12&13&14	Not Detected	<100 ppm (0.01%)
Part 15&16	Not Detected	<100 ppm (0.01%)
Part 17&28	Not Detected	<100 ppm (0.01%)
Part 19&20&21	Not Detected	<1000 ppm (0.1%)
Part 22&23&24	Not Detected	<1000 ppm (0.1%)
Part 25&26	Not Detected	<1000 ppm (0.1%)

ppm (part per million) =mg / kg
Detection Limit =8 ppm
< =Less Than
% =Percentage based on dry weight of sample

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

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

RESULTS

Page 10 of 10

REPORT: TURT230055083

05 June, 2023

DETERMINATION OF TOTAL LEAD CONTENT

With reference to USEPA 3050B / USEPA 3051 /USEPA 3051A/ US EPA 3052 ,by acid digestion and determined by ICP-OES

	Result	Requirement
Part 1	Not Detected	500 ppm (0.05%)
Part 2	Not Detected	500 ppm (0.05%)
Part 3	Not Detected	500 ppm (0.05%)
Part 4	Not Detected	500 ppm (0.05%)
Part 5	Not Detected	500 ppm (0.05%)
Part 6	Not Detected	500 ppm (0.05%)
Part 7	Not Detected	500 ppm (0.05%)
Part 8	Not Detected	500 ppm (0.05%)
Part 9&10&11	Not Detected	500 ppm (0.05%)
Part 12&13&14	Not Detected	500 ppm (0.05%)
Part 15&16	Not Detected	500 ppm (0.05%)
Part 27&18	Not Detected	500 ppm (0.05%)
Part 17&28	Not Detected	500 ppm (0.05%)
Part 19&20&21	Not Detected	500 ppm (0.05%)
Part 22&23&24	Not Detected	500 ppm (0.05%)
Part 25&26	Not Detected	500 ppm (0.05%)

ppm (part per million)

=mg / kg

<

=Less Than

%

=Percentage based on dry weight of sample

Detection Limit

=8 ppm

Estimated Total Uncertainty

=Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±16%, Textile: ±15%

END OF TEST REPORT