



AB-0716-T

TURT250029991

04-25

TEST REPORT

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REPORT NUMBER : TURT250029991

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 :

ARTIST'S OIL COLOUR

- Sample 1:** One sample of STUDIO OIL COLOUR 423 COBALT BLUE HUE
- Sample 2:** One sample of STUDIO OIL COLOUR 194 COBALT VIOLET HUE
- Sample 3:** One sample of STUDIO OIL COLOUR 538 PERMANENT GREEN
- Sample 4:** One sample of STUDIO OIL COLOUR 782 MIDDLE GREY
- Sample 5:** One sample of STUDIO OIL COLOUR 104 TITANIUM WHITE
- Sample 6:** One sample of STUDIO OIL COLOUR 201 FLESH TINT
- Sample 7:** One sample of STUDIO OIL COLOUR 106 ZINC TITANIUM WHITE
- Sample 8:** One sample of STUDIO OIL COLOUR 559 EMERALD GREENfcad
- Sample 9:** One sample of STUDIO OIL COLOUR 569 OLIVE GREEN
- Sample 10:** One sample of STUDIO OIL COLOUR 425 CERULEAN BLUE HUE
- Sample 11:** One sample of STUDIO OIL COLOUR 505 GREEN MIDDLE
- Sample 12:** One sample of STUDIO OIL COLOUR 327 CADMIUM RED PALE HUE
- Sample 13:** One sample of STUDIO OIL COLOUR 568 SAP GREEN
- Sample 14:** One sample of STUDIO OIL COLOUR 793 LAMP BLACK
- Sample 15:** One sample of STUDIO OIL COLOUR 510 HOOKER'S GREEN LIGHT
- Sample 16:** One sample of STUDIO OIL COLOUR 211 CADMIUM YELLOW PALE HUE
- Sample 17:** One sample of STUDIO OIL COLOUR 302 SCARLET
- Sample 18:** One sample of STUDIO OIL COLOUR 103 ZINC WHITE
- Sample 19:** One sample of STUDIO OIL COLOUR 792 IVORY BLACK
- Sample 20:** One sample of STUDIO OIL COLOUR 337 ROSE MADDER HUE
- Sample 21:** One sample of STUDIO OIL COLOUR 687 BURNT UMBER
- Sample 22:** One sample of STUDIO OIL COLOUR 336 ROSE
- Sample 23:** One sample of STUDIO OIL COLOUR 223 CADMIUM YELLOW HUE
- Sample 24:** One sample of STUDIO OIL COLOUR 227 YELLOW MIDDLE
- Sample 25:** One sample of STUDIO OIL COLOUR HOOKER'S GREEN DARK
- Sample 26:** One sample of STUDIO OIL COLOUR 408 PHOENIX VIOLET

Gaye CALIŞKAN
Customer Care Executive

Emre ÇALIK
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



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R E S U L T S

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Sample 27: One sample of STUDIO OIL COLOUR 445 PRUSSIAN BLUE
Sample 28: One sample of STUDIO OIL COLOUR 215 LEMON YELLOW HUE
Sample 29: One sample of STUDIO OIL COLOUR 336 ROSE
Sample 30: One sample of STUDIO OIL COLOUR 558 PHTHALO GREEN
Sample 31: One sample of STUDIO OIL COLOUR 324 VERMILION HUE
Sample 32: One sample of BIGPOINT OIL COLOUR SET 24 PIECES
Sample 33: One sample of BIGPOINT OIL COLOUR 505 GREEN MIDDLE
Sample 34: One sample of BIGPOINT OIL COLOUR 327 CADMIUM RED PALE HUE
Sample 35: One sample of BIGPOINT OIL COLOUR 684 BURNT SIENNA
Sample 36: One sample of BIGPOINT OIL COLOUR 568 SAP GREEN
Sample 37: One sample of BIGPOINT OIL COLOUR 103 ZINC WHITE
Sample 38: One sample of BIGPOINT OIL COLOUR 792 IVORY BLACK
Sample 39: One sample of BIGPOINT OIL COLOUR 793 LAMP BLACK
Sample 40: One sample of BIGPOINT OIL COLOUR 780 COLD GREY
Sample 41: One sample of BIGPOINT OIL COLOUR 301 ORANGE YELLOW
Sample 42: One sample of BIGPOINT OIL COLOUR 313 ORANGE RED
Sample 43: One sample of BIGPOINT OIL COLOUR 223 CADMIUM YELLOW HUE
Sample 44: One sample of BIGPOINT OIL COLOUR 601 RAW SIENNA
Sample 45: One sample of BIGPOINT OIL COLOUR 688 RAW UMBER
Sample 46: One sample of BIGPOINT OIL COLOUR 781 WARM GREY
Sample 47: One sample of BIGPOINT OIL COLOUR 512 HOOKER'S GREEN DARK
Sample 48: One sample of STUDIO OIL COLOUR 443 ULTRAMARINE
Sample 49: One sample of BIGPOINT OIL COLOUR 215 LEMON YELLOW HUE
Sample 50: One sample of BIGPOINT OIL COLOUR 569 OLIVE GREEN
Sample 51: One sample of BIGPOINT OIL COLOUR 336 ROSE
Sample 52: One sample of BIGPOINT OIL COLOUR 538 PERMANENT GREEN
Sample 53: One sample of BIGPOINT OIL COLOUR 315 CRIMSON
Sample 54: One sample of BIGPOINT OIL COLOUR 194 COBALT VIOLET HUE
Sample 55: One sample of BIGPOINT OIL COLOUR 337 ROSE MADDER HUE
Sample 56: One sample of BIGPOINT OIL COLOUR 445 PRUSSIAN BLUE
Sample 57: One sample of BIGPOINT OIL COLOUR 510 HOOKER'S GREEN LIGHT
Sample 58: One sample of BIGPOINT OIL COLOUR 782 MIDDLE GREY
Sample 59: One sample of BIGPOINT OIL COLOUR 324 VERMILION HUE
Sample 60: One sample of BIGPOINT OIL COLOUR 208 YELLOW DEEP
Sample 61: One sample of BIGPOINT OIL COLOUR 201 FLESH TINT
Sample 62: One sample of BIGPOINT OIL COLOUR 509 GREEN LIGHT
Sample 63: One sample of BIGPOINT OIL COLOUR 106 ZINC TITANIUM
Sample 64: One sample of BIGPOINT OIL COLOUR 425 CERULEAN BLUE HUE
Sample 65: One sample of BIGPOINT OIL COLOUR 211 CADMIUM YELLOW PALE HUE
Sample 66: One sample of BIGPOINT OIL COLOUR 104 TITANIUM WHITE
Sample 67: One sample of BIGPOINT OIL COLOUR 791 MARS BLACK
Sample 68: One sample of BIGPOINT OIL COLOUR 687 BURNT UMBER
Sample 69: One sample of BIGPOINT OIL COLOUR 423 COBALT BLUE HUE
Sample 70: One sample of BIGPOINT OIL COLOUR 690 VANDYKE BROWN
Sample 71: One sample of BIGPOINT OIL COLOUR 408 PHOENIX VIOLET
Sample 72: One sample of BIGPOINT OIL COLOUR 443 ULTRAMARINE

DATE IN : 18 March, 2025 (10:18)

RESUBMIT DATE : 24 March, 2025

DATE OUT : 07 April, 2025

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BRAND :

BIGPOINT

ITEM NO :

BPPO0645A-103,BPPO0645A-104,BPPO0645A-106,BPPO0645A-194,BPPO0645A-201,BPPO0645A-208,BPPO0645A-211,BPPO0645A-215,BPPO0645A-223,BPPO0645A-301,BPPO0645A-313,BPPO0645A-315,BPPO0645A-324,BPPO0645A-327,BPPO0645A-336,BPPO0645A-337,BPPO0645A-408,BPPO0645A-423,BPPO0645A-425,BPPO0645A-443,BPPO0645A-445,BPPO0645A-505,BPPO0645A-509,BPPO0645A-510,BPPO0645A-512,BPPO0645A-538,BPPO0645A-568,BPPO0645A-569,BPPO0645A-601,BPPO0645A-684,BPPO0645A-687,BPPO0645A-688,BPPO0645A-690,BPPO0645A-780,BPPO0645A-781,BPPO0645A-782,BPPO0645A-791,BPPO0645A-792,BPPO0645A-793,BPPO200A-103,BPPO200A-104,BPPO200A-106,BPPO200A-194,BPPO200A-201,BPPO200A-211,BPPO200A-215,BPPO200A-223,BPPO200A-227,BPPO200A-302,BPPO200A-324,BPPO200A-327,BPPO200A-336,BPPO200A-337,BPPO200A-408,BPPO200A-423,BPPO200A-425,BPPO200A-443,BPPO200A-445,BPPO200A-505,BPPO200A-510,BPPO200A-512,BPPO200A-538,BPPO200A-558,BPPO200A-559,BPPO200A-568,BPPO200A-569,BPPO200A-687,BPPO200A-782,BPPO200A-792,BPPO200A-793,BPPO2412

MANUFACTURER :

WUXI PHOENIX ARTIST MATERIALS IMP & EXP CO., LTD

COUNTRY OF ORIGIN :

CHINA

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SAMPLE PHOTOS



Intertek Test Hizmetleri A.S.

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

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Part No	Tested Part
1	Black big plastic cover (Sample 1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&30&31&48)
2	Anthracite plastic small cover (Sample 33&34&35&36&37&38&39&40&41&42&43&44&45&56&47&48&49&50&51&52&53&54&55&56&57&58&59&60&61&62&63&64&65&66&67&68&69&70&71&72)
3	Black/white/blue sticker (Sample 1&69)
4	Black/white/purple sticker (Sample 2)
5	Black/white/green sticker (Sample 3&52)
6	Grey/black/white sticker (Sample 4)
7	Black/white/cream sticker (Sample 5&18&64)
8	Light brown/white/black sticker (Sample 6)
9	Ecru/black/white sticker (Sample 7&63)
10	Green/black/white sticker (Sample 8)
11	Khaki/black/white sticker (Sample 9&50)
12	Blue/white/black sticker (Sample 10&66)
13	Dark green& black/white sticker (Sample 11&13&33&36)
14	Red/black/white sticker (Sample 12&17&34)
15	Light khaki/black/white sticker (Sample 15&30&57)
16	Yellow/black/white sticker (Sample 16&24&65)
17	Bordeaux/black/white sticker (Sample 20&53&55&14&19&38&40)
18	Brown/black/white sticker (Sample 21&68)
19	Fuchsia/black/white sticker (Sample 22&29&51)
20	Dark Yellow/black/white sticker (Sample 23&43&60)
21	Light khaki/black/white sticker (Sample 25&42)
22	Dark purple/white/sticker (Sample 26&71)
23	Dark navy/white/black sticker (Sample 27&56)
24	Light yellow/white/black sticker (Sample 28&49.54)
25	Orange/black/white sticker (Sample 31&59)
26	Brown/black/white sticker (Sample 35)
27	Light Orange/black/white sticker (Sample 39&42)
28	Anthracite/black white sticker (Sample 41)
29	Brown/black/white sticker (Sample 44)
30	Beige/black/white sticker (Sample 46)
31	Navy/black/white sticker (Sample 67&56)
32	Salmon/black/white sticker (Sample 61)
33	White plastic on the cover (Sample 1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&30&31&48)
34	Blue plastic on the cover (Sample 33&34&35&36&37&38&39&40&41&42&43&44&45&46&47&49&50&51&52&53&54&55&56&57&58&59&60&61&62&63&64&65&66&67&68&69&70&71&72)

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Part No	Tested Part
35	Silver metal tube (Sample 1&2&3&4&5&6&7&8&9&10&11&12&13&14&15&16&17&18&19&20&21&22&23&24&25&26&27&28&29&30&31&33&34&35&36&37&38&39&40&41&42&43&44&45&46&47&48&49&50&51&52&53&54&55&56&57&58&59&60&61&62&63&64&65&66&67&68&69&70&71&72)
36	Cobalt blue dye (Sample 1)
37	Cobalt violet dye (Sample 2)
38	Permanent green dye (Sample 3)
39	Mid grey dye (Sample 4)
40	Titanium white dye (Sample 5)
41	Fresh tint dye (Sample 6)
42	Zinc titanium white dye (Sample 7)
43	Emerald green dye (Sample 8)
44	Olive green dye (Sample 9)
45	Cerulean blue dye (Sample 10)
46	Green middle dye (Sample 11)
47	Cadmium red pale dye (Sample 12)
48	Sap green dye (Sample 13)
49	Lamp black dye (Sample 14)
50	Hooker's green light dye (Sample 15)
51	Cadmium yellow pale dye (Sample 16)
52	Scharlet dye (Sample 17)
53	Zinc white (Sample 18)
54	Ivory black dye (Sample 19)
55	Rose madder dye (Sample 20)
56	Burnt umber dye (Sample 21)
57	Rose dye (Sample 22)
58	Cadmium yellow dye (Sample 23)
59	Yellow middle dye (Sample 24)
60	Hooker's green dark dye (Sample 25)
61	Phoenix violet dye (Sample 26)
62	Prussian blue dye (Sample 27)
63	Lemon yellow dye (Sample 28)
64	Rose dye (Sample 29)
65	Phthalo green dye (Sample 30)
66	Vermilion dye (Sample 31)
67	Green middle dye (Sample 33)
68	Cadmium red pale dye (Sample 34)
69	Burunt sienna dye (Sample 35)
70	Sap green dye (Sample 36)
71	Zinc white dye (Sample 37)
72	Ivory black dye (Sample 38)

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Part No	Tested Part
73	Orange yellow dye (Sample 39)
74	Lamp black dye (Sample 40)
75	Cold grey dye (Sample 41)
76	Orange red dye (Sample 42)
77	Cadmium yellow dye (Sample 43)
78	Raw sienna dye (Sample 44)
79	Raw umber dye (Sample 45)
80	Warm greay dye (Sample 46)
81	Hooker's green dark dye (Sample 47)
82	Ultramarine dye (Sample 48)
83	Lemon yellow dye (Sample 49)
84	Olive green dye (Sample 50)
85	Rose dye (Sample 51)
86	Permanent green dye (Sample 52)
87	Crimson dye (Sample 53)
88	Cobalt violet dye (Sample 54)
89	Prussian blue dye (Sample 56)
90	Hooker's green light dye (Sample 57)
91	Rose madder dye (Sample 55)
92	Middle grey dye (Sample 58)
93	Vermilion dye (Sample 59)
94	Yellow deep dye (Sample 60)
95	Flesh tint dye (Sample 61)
96	Green light dye (Sample 62)
97	Zinc titanium white dye (Sample 63)
98	Titanium white dye (Sample 64)
99	Cadmium yellow pale dye (Sample 65)
100	Cerulean blue dye (Sample 66)
101	Mars black dye (Sample 67)
102	Brunt umber dye (Sample 68)
103	Cobalt blue dye (Sample 69)
104	Vandyke brown dye (Sample 70)
105	Phoenix violet dye (Sample 71)
106	Ultramarine dye (Sample 72)
107	White coating on tube (Sample 32)
108	White plastic cover (Sample 32)
109	White plastic seperator (Sample 32)
110	Multicolour cardboard box (Sample 32)
111	White/brown cardboard (Sample 32)
112	Zinc white dye (Sample 32)
113	Titanium white dye (Sample 32)

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Part No	Tested Part
114	Flesh tint dye (Sample 32)
115	Lemon yellow dye (Sample 32)
116	Orange yellow dye (Sample 32)
117	Scarlet lake dye (Sample 32)
118	Orange red dye (Sample 32)
119	Vermilion dye (Sample 32)
120	Rose dye (Sample 32)
121	Purple red dye (Sample 32)
122	Marine blue dye (Sample 32)
123	Peacock ble dye (Sample 32)
124	Phthalo blue dye (Sample 32)
125	Cerulean blue dye (Sample 32)
126	Emerald green dye (Sample 32)
127	Viridian dye (Sample 32)
128	Sap green dye (Sample 32)
129	Raw sienna dye (Sample 32)
130	Yellow ochre dye (Sample 32)
131	Burnt sienna (Sample 32)
132	Burnt umber dye (Sample 32)
133	Raw umber (Sample 32)
134	Vandyke brown dye (Sample 32)
135	Lamp black (Sample 32)
136	Silver metal small tube (Sample 32)

Remark: Only suitable parts tested for the related tests.

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RESULTS :

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Failed item
DETERMINATION OF CERTAIN AROMATIC AMINES DERIVED FROM AZO COLORANTS	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	-
TRIBUTYL TIN (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 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)	P	-	1000 ppm (0.1%)	REACH ANNEX XVII	-
DETERMINATION OF BISPHENOL A (BPA) CONTENT	In-House Method - "IHTM AL.2.330 Rev.5" (Using LC-MS-MS)	NA	NA	≤0.02 ppm	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)	NA	NA	≤1000 ppm (0.1%)	REACH ANNEX XVII	-

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RESULTS :

Analysis Parameter	Reference Analysis Method	PASS	FAIL	Norm Limit	Standard for Norm Limit	Failed item
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	-
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)	#	#	sticker	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 / #= SEE RESULT

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 (TÜRKAK) 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)

	Part 1&2&33	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 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

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)

	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

	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

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)

	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

	Part 9	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 10	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%)

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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)

	Part 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 12	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 13	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%)

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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)

	Part 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

	Part 15	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 16	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%)

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

	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

	Part 19	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%)

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

	Part 20	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 21	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 22	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%)

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

	Part 23	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 24	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 25	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%)

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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)

	Part 26	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 27	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 28	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%)

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	Part 29	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 30	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 31	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%)

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

	Part 32	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 34&108&109	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 107	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%)

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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)

	RESULTS	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	Not Detected	100 ppm (0.01%)
Part 10	Not Detected	100 ppm (0.01%)
Part 11	Not Detected	100 ppm (0.01%)
Part 12	Not Detected	100 ppm (0.01%)
Part 13	Not Detected	100 ppm (0.01%)
Part 14	Not Detected	100 ppm (0.01%)
Part 15	Not Detected	100 ppm (0.01%)
Part 16	Not Detected	100 ppm (0.01%)
Part 17	Not Detected	100 ppm (0.01%)
Part 18	Not Detected	100 ppm (0.01%)
Part 19	Not Detected	100 ppm (0.01%)
Part 20	Not Detected	100 ppm (0.01%)
Part 21	Not Detected	100 ppm (0.01%)
Part 22	Not Detected	100 ppm (0.01%)
Part 23	Not Detected	100 ppm (0.01%)
Part 24	Not Detected	100 ppm (0.01%)
Part 25	Not Detected	100 ppm (0.01%)
Part 26	Not Detected	100 ppm (0.01%)
Part 27	Not Detected	100 ppm (0.01%)
Part 28	Not Detected	100 ppm (0.01%)
Part 29	Not Detected	100 ppm (0.01%)
Part 30	Not Detected	100 ppm (0.01%)
Part 31	Not Detected	100 ppm (0.01%)
Part 32	Not Detected	100 ppm (0.01%)
Part 33	Not Detected	100 ppm (0.01%)
Part 34	Not Detected	100 ppm (0.01%)
Part 107	Not Detected	100 ppm (0.01%)
Part 108&109	Not Detected	100 ppm (0.01%)
Part 110	Not Detected	100 ppm (0.01%)
Part 111	Not Detected	100 ppm (0.01%)

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

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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)

	RESULTS	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	Not Detected	500 ppm (0.05%)
Part 10	Not Detected	500 ppm (0.05%)
Part 11	Not Detected	500 ppm (0.05%)
Part 12	Not Detected	500 ppm (0.05%)
Part 13	Not Detected	500 ppm (0.05%)
Part 14	Not Detected	500 ppm (0.05%)
Part 15	Not Detected	500 ppm (0.05%)
Part 16	Not Detected	500 ppm (0.05%)
Part 17	Not Detected	500 ppm (0.05%)
Part 18	Not Detected	500 ppm (0.05%)
Part 19	Not Detected	500 ppm (0.05%)
Part 20	Not Detected	500 ppm (0.05%)
Part 21	Not Detected	500 ppm (0.05%)
Part 22	Not Detected	500 ppm (0.05%)
Part 23	Not Detected	500 ppm (0.05%)
Part 24	Not Detected	500 ppm (0.05%)
Part 25	Not Detected	500 ppm (0.05%)
Part 26	Not Detected	500 ppm (0.05%)
Part 27	Not Detected	500 ppm (0.05%)
Part 28	Not Detected	500 ppm (0.05%)
Part 29	Not Detected	500 ppm (0.05%)
Part 30	Not Detected	500 ppm (0.05%)
Part 31	Not Detected	500 ppm (0.05%)
Part 32	Not Detected	500 ppm (0.05%)
Part 33	Not Detected	500 ppm (0.05%)
Part 34	Not Detected	500 ppm (0.05%)
Part 35	28 ppm	500 ppm (0.05%)
Part 36&37&38	Not Detected	500 ppm (0.05%)
Part 39&40&41	Not Detected	500 ppm (0.05%)
Part 42&43&44	Not Detected	500 ppm (0.05%)
Part 45&46&47	Not Detected	500 ppm (0.05%)

ppm: =parts per million (mg/kg)
Detection Limit : =8 ppm
% =Percentage based on dry weight of sample

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)

	RESULTS	REQUIREMENT
Part 48&49&50	Not Detected	500 ppm (0.05%)
Part 51&52&53	Not Detected	500 ppm (0.05%)
Part 54&55&56	Not Detected	500 ppm (0.05%)
Part 57&58&59	Not Detected	500 ppm (0.05%)
Part 60&61&62	Not Detected	500 ppm (0.05%)
Part 63&64&65	Not Detected	500 ppm (0.05%)
Part 66&67&68	Not Detected	500 ppm (0.05%)
Part 69&70&71	Not Detected	500 ppm (0.05%)
Part 72&73&74	Not Detected	500 ppm (0.05%)
Part 75&76&77	Not Detected	500 ppm (0.05%)
Part 78&79&80	Not Detected	500 ppm (0.05%)
Part 81&82&83	Not Detected	500 ppm (0.05%)
Part 84&85&86	Not Detected	500 ppm (0.05%)
Part 87&88&89	Not Detected	500 ppm (0.05%)
Part 90&91&92	Not Detected	500 ppm (0.05%)
Part 93&94&95	Not Detected	500 ppm (0.05%)
Part 96&97&98	Not Detected	500 ppm (0.05%)
Part 99&100&101	Not Detected	500 ppm (0.05%)
Part 102&103&104	Not Detected	500 ppm (0.05%)
Part 105&106	Not Detected	500 ppm (0.05%)
Part 107	Not Detected	500 ppm (0.05%)
Part 108&109	Not Detected	500 ppm (0.05%)
Part 110	Not Detected	500 ppm (0.05%)
Part 111	Not Detected	500 ppm (0.05%)
Part 112&113&114	Not Detected	500 ppm (0.05%)
Part 115&116&117	Not Detected	500 ppm (0.05%)
Part 118&119	Not Detected	500 ppm (0.05%)
Part 120&121&122	Not Detected	500 ppm (0.05%)
Part 123&124&125	Not Detected	500 ppm (0.05%)
Part 126&127&128	Not Detected	500 ppm (0.05%)
Part 129&130&131	Not Detected	500 ppm (0.05%)
Part 132&133&134	Not Detected	500 ppm (0.05%)
Part 135	Not Detected	500 ppm (0.05%)
Part 136	21 ppm	500 ppm (0.05%)

ppm: =parts per million (mg/kg)
Detection Limit : =8 ppm
% =Percentage based on dry weight of sample

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 CHROMATOGRAPHY - MASS SPECTROPHOTOMETRY

	RESULTS	REQUIREMENT
Part 1&2&33	Not Detected	1000 ppm (0.1%)
Part 3	Not Detected	1000 ppm (0.1%)
Part 4	Not Detected	1000 ppm (0.1%)
Part 5	Not Detected	1000 ppm (0.1%)
Part 6	Not Detected	1000 ppm (0.1%)
Part 7	Not Detected	1000 ppm (0.1%)
Part 8	Not Detected	1000 ppm (0.1%)
Part 9	Not Detected	1000 ppm (0.1%)
Part 10	Not Detected	1000 ppm (0.1%)
Part 11	Not Detected	1000 ppm (0.1%)
Part 12	Not Detected	1000 ppm (0.1%)
Part 13	Not Detected	1000 ppm (0.1%)
Part 14	Not Detected	1000 ppm (0.1%)
Part 15	Not Detected	1000 ppm (0.1%)
Part 16	Not Detected	1000 ppm (0.1%)
Part 17	Not Detected	1000 ppm (0.1%)
Part 18	Not Detected	1000 ppm (0.1%)
Part 19	Not Detected	1000 ppm (0.1%)
Part 20	Not Detected	1000 ppm (0.1%)
Part 21	Not Detected	1000 ppm (0.1%)
Part 22	Not Detected	1000 ppm (0.1%)
Part 23	Not Detected	1000 ppm (0.1%)
Part 24	Not Detected	1000 ppm (0.1%)
Part 25	Not Detected	1000 ppm (0.1%)
Part 26	Not Detected	1000 ppm (0.1%)
Part 27	Not Detected	1000 ppm (0.1%)
Part 28	Not Detected	1000 ppm (0.1%)
Part 29	Not Detected	1000 ppm (0.1%)
Part 30	Not Detected	1000 ppm (0.1%)
Part 31	Not Detected	1000 ppm (0.1%)
Part 32	Not Detected	1000 ppm (0.1%)
Part 34&108&109	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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DMFU CONTENT

In-House Method – “IHTM AL.2.136. Rev.10” (Based on BS EN 17130) (Using GC-MS)

	RESULTS	REQUIREMENT
Part 1&2&33	Not Detected	<1000 ppm (0.1%)
Part 34&108&109	Not Detected	<1000 ppm (0.1%)

ppm: parts per million (mg/kg)
Detection Limit : 0.1 ppm

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

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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 36&37&38	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

Part 39&40&41	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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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 42&43&44 RESULTS(#)

Lead Carbonate

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

Part 45&46&47 RESULTS(#)

Lead Carbonate

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

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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

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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 48&49&50	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

Part 51&52&53	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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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 54&55&56	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

Part 57&58&59	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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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 60&61&62	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

Part 63&64&65	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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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 66&67&68	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

Part 69&70&71	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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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 72&73&74	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

Part 75&76&77	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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

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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 78&79&80	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

Part 81&82&83	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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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 84&85&86	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

Part 87&88&89	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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

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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 90&91&92	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

Part 93&94&95	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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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 96&97&98	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

Part 99&100&101	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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07 April, 2025

(*)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 102&103&104	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

Part 105&106	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -PbxSO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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”.

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07 April, 2025

(*)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 112&113&114	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

Part 115&116&117	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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

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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 118&119	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

Part 120&121&122	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate (PbCO ₃)	Not Detected
Trilead bis(carbonate) dihydroxide 2 PbCO ₃ -Pb(OH) ₂	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- PbSO ₄	Not Detected
Lead(2+);sulfate -Pb _x SO ₄	Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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”.

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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

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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 123&124&125 RESULTS(#)

Lead Carbonate

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

Part 126&127&128 RESULTS(#)

Lead Carbonate

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

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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”.

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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

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07 April, 2025

(*)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 129&130&131 RESULTS(#)

Lead Carbonate 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 -Pb_xSO₄ Not Detected

Part 132&133&134 RESULTS(#)

Lead Carbonate 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 -Pb_xSO₄ Not Detected

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

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

Estimated Total Uncertainty=(Dye: ±16%, Glass: ±16%, Metal: ±16%, Plastic: ±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.

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07 April, 2025

(*)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 135	RESULTS(#)
Lead Carbonate	Not Detected
Lead(II)carbonate ($PbCO_3$)	Not Detected
Trilead bis(carbonate) dihydroxide $2 PbCO_3-Pb(OH)_2$	Not Detected
Lead Sulfate	Not Detected
Lead(II) sulfate- $PbSO_4$	Not Detected
Lead(2+);sulfate - Pb_xSO_4	Not Detected

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

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

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