

TEST REPORT

REPORT NUMBER : TURT150064435
APPLICANT NAME **Bilgi Dağ. Kitap Kırt. ve Büro Malz. Tic. Ltd. Şti.**
ADDRESS Merkez Mah. 29 Ekim Cad.No:53 Bahçelievler / İstanbul
Fax No:0212 551 09 57
Attention : Efe Yüksel (efe@bilgi-dagitim.com)
BUYER **NOT GIVEN**
SAMPLE DESCRIPTION :
Sample 1: One sample of Bigpoint 12 colors water colours
Sample 2: One sample of Bigpoint 12 colors jumbo triangle crayon
DATE IN : **20 April, 2015 (13:59)**
DATE OUT : **29 April, 2015**
COUNTRY OF ORIGIN : CHINA
MODEL NO :
Sample 1: BP757-12T
Sample 2: BP747-12

TEST	Sample 1	Sample 2
SAFETY OF TOYS-PART 1:MECHANICAL AND PHYSICAL PROPERTIES	P (Except 7.2)	P (Except 7.2)
SAFETY OF TOYS-PART 2:FLAMMABILITY	P	P
SAFETY OF TOYS PART 3:SPECIFICATION FOR MIGRATION OF CERTAIN ELEMENTS	P	P
DETECTION OF AMİNES DERİVED FROM AZOCOLOURANTS AND AZODYES	P	P

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE/ LS : LACK OF SAMPLE

"Ekleri ile birlikte bu rapor, yalnızca temin edildiği amaca uygun olarak ve Intertek'in Müşterisi tarafından sağlanan talimatlara ve bilgi ve/veya malzemeye göre raporda adı geçen Müşterinin/Müşterilerin münhasır kullanımı için hazırlanmıştır. Test sonuçları, sadece test edilen spesifik öğelerle ilgilidir ve herhangi bir eylem için tavsiye niteliği taşımaz. Müşteri, söz konusu sonuçlara dayanarak uygun gördüğü eylemi yapmakla yükümlüdür. Intertek'in önceden açık yazılı izni olmadan, bu raporun hiçbir kısmı yeniden üretilemez, dağıtılamaz veya üçüncü taraflara aktarılamaz. Intertek, bu raporun amacı dışında kullanılmasından doğan herhangi bir sorumluluğu kabul etmez ve Intertek, bu raporla ilgili olarak üçüncü taraflara karşı herhangi bir yasal yükümlülük taşımaz. Yazılı olarak açıkça anlaşma sağlanmadığı durumlarda, gerçekleştirilen tüm iş ve hizmetler, talep üzerine temin edebileceğimiz veya <http://www.intertek.com/terms> adresinden indirebileceğiniz Intertek Standart Hizmet Hüküm ve Koşulları belgesine tabidir."

Melihat

Sinan

Melihat YILDIRIM
COORDINATOR

Sinan ÖNCEL / Customer Care Manager
Özlem CAVUMİRZA / Textile Laboratory Manager



Intertek Test Hizmetleri A.S.
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150064435

Test Method	Result	Requirements
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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Specification: BS EN 71 - 1 : 2014- Safety of Toys - Specification for Mechanical and Physical Properties

The item was labelled "+3"
 The item was tested for children aged over 36 months
 The item was packaging in a cardboard box which was considered to be disposable.

Sample 1

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
7	Warning and Instruction for Use	##
7.2	<p>Toys not intended for children under 36 months</p> <p>The item, its packaging or accompanying leaflet must be labeled with;</p> <p>The following warning "Warning! Not suitable for children under 36 months" with a brief indication of the specific hazard.</p>	See Comment



Test Method	Result	Requirements
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The text of this note is for information only and the indents do not constitute requirements of this European Standard. The information is not exhaustive and Directive 2009/48/EC and the associated guidance documents should be consulted for further details.

The toy or, its packaging or document accompanying must be labelled with:

- The name and address of the manufacturer** **(Not Present)**
- The name and address of the and importer.** **(Present)**
- type, batch, serial or model number or other element allowing of toy identification **(Present)**
- The following advisory note: "Retain for future reference", if the information is not on the toy itself **(Not Present)**
- A CE mark in the correct size and shape . **(Present)**
- Warning and other information should be in the national language(s) of the countries where the toy is marketed.

** In the case of the toy sell in European countries, the toy, its packaging or document accompanying must be labelled with the name and address of the manufacturer and importer



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Test Method	Result	Requirements
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This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

Specification: BS EN 71 - 1 : 2014- Safety of Toys - Specification for Mechanical and Physical Properties

The item was labelled "+3"

The item was tested for children aged over 36 months

The item was packaging in a cardboard box which was considered to be disposable.

Sample 2

SECTION	TEST	RESULTS
4	General Requirements	
4.1	Material	Pass
4.7	Edges	Pass
4.8	Points & Metallic Wires	Pass
7	Warning and Instruction for Use	##
7.2	<p>Toys not intended for children under 36 months</p> <p>The item, its packaging or accompanying leaflet must be labeled with.,</p> <p>The following warning "Warning! Not suitable for children under 36 months" with a brief indication of the specific hazard.</p>	See Comment



Test Method	Result	Requirements
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The text of this note is for information only and the indents do not constitute requirements of this European Standard. The information is not exhaustive and Directive 2009/48/EC and the associated guidance documents should be consulted for further details.

The toy or, its packaging or document accompanying must be labelled with:

- The name and address of the manufacturer** **(Not Present)**
- The name and address of the and importer.** **(Present)**
- type, batch, serial or model number or other element allowing of toy identification **(Present)**
- The following advisory note: "Retain for future reference", if the information is not on the toy itself **(Not Present)**
- A CE mark in the correct size and shape . **(Present)**
- Warning and other information should be in the national language(s) of the countries where the toy is marketed.

** In the case of the toy sell in European countries, the toy, its packaging or document accompanying must be labelled with the name and address of the manufacturer and importer



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Test Method	Result	Requirements
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Specification: BS EN 71-2: 2011 + A1:2014 Safety of Toys – Flammability
Sample 1-2

SECTION	TEST	RESULTS
4.1	General	
	Celluloid/cellulose nitrate and materials with a same burning behaviour in fire	Pass



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Test Method	Result	Requirements
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Safety of toys. Specification for Migration of Certain Elements

BS EN 71-3 : 1995

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

		<u>RESULT</u>	<u>Detection Limit</u>	<u>PASS/FAIL</u>	<u>Requirement (ppm)</u>
1- Composite sample of white dye,yellow dye (s-2),orange dye (s-2)					
Antimony	(Sb)	Not Detected	<2 ppm	PASS	60
Arsenic	(As)	Not Detected	<2 ppm	PASS	25
Barium	(Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium	(Cd)	Not Detected	<2 ppm	PASS	75
Chromium	(Cr)	Not Detected	<5 ppm	PASS	60
Lead	(Pb)	Not Detected	<5 ppm	PASS	90
Mercury	(Hg)	Not Detected	<2 ppm	PASS	60
Selenium	(Se)	Not Detected	<2 ppm	PASS	500
2- Composite sample of pink dye (s-2),red dye (s-2),purple dye (s-2)					
Antimony	(Sb)	Not Detected	<2 ppm	PASS	60
Arsenic	(As)	Not Detected	<2 ppm	PASS	25
Barium	(Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium	(Cd)	Not Detected	<2 ppm	PASS	75
Chromium	(Cr)	Not Detected	<5 ppm	PASS	60
Lead	(Pb)	Not Detected	<5 ppm	PASS	90
Mercury	(Hg)	Not Detected	<2 ppm	PASS	60
Selenium	(Se)	Not Detected	<2 ppm	PASS	500

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



Test Method	Result	Requirements
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Safety of toys. Specification for Migration of Certain Elements

BS EN 71-3 : 1995

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

		<u>RESULT</u>	<u>Detection Limit</u>	<u>PASS/FAIL</u>	<u>Requirement (ppm)</u>
3- Composite sample of brown dye (s-2),green dye,dark green dye (s-2)					
Antimony	(Sb)	Not Detected	<2 ppm	PASS	60
Arsenic	(As)	Not Detected	<2 ppm	PASS	25
Barium	(Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium	(Cd)	Not Detected	<2 ppm	PASS	75
Chromium	(Cr)	Not Detected	<5 ppm	PASS	60
Lead	(Pb)	Not Detected	<5 ppm	PASS	90
Mercury	(Hg)	Not Detected	<2 ppm	PASS	60
Selenium	(Se)	Not Detected	<2 ppm	PASS	500

4-Composite sample of black dye (s-2),navy dye (s-2),blue dye (s-2)					
Antimony	(Sb)	Not Detected	<2 ppm	PASS	60
Arsenic	(As)	Not Detected	<2 ppm	PASS	25
Barium	(Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium	(Cd)	Not Detected	<2 ppm	PASS	75
Chromium	(Cr)	Not Detected	<5 ppm	PASS	60
Lead	(Pb)	Not Detected	<5 ppm	PASS	90
Mercury	(Hg)	Not Detected	<2 ppm	PASS	60
Selenium	(Se)	Not Detected	<2 ppm	PASS	500

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



Test Method	Result	Requirements
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Safety of toys. Specification for Migration of Certain Elements

BS EN 71-3 : 1995

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

		<u>RESULT</u>	<u>Detection Limit</u>	<u>PASS/FAIL</u>	<u>Requirement (ppm)</u>
5- Composite sample of white/black paper on the dye,yellow/black paper on the dye,orange/white paper on the dye					
Antimony	(Sb)	Not Detected	<2 ppm	PASS	60
Arsenic	(As)	Not Detected	<2 ppm	PASS	25
Barium	(Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium	(Cd)	Not Detected	<2 ppm	PASS	75
Chromium	(Cr)	Not Detected	<5 ppm	PASS	60
Lead	(Pb)	Not Detected	<5 ppm	PASS	90
Mercury	(Hg)	Not Detected	<2 ppm	PASS	60
Selenium	(Se)	Not Detected	<2 ppm	PASS	500

6-Composite sample of pink/white paper on the dye,red/white paper on the dye,purple/white paper on the dye

Antimony	(Sb)	Not Detected	<2 ppm	PASS	60
Arsenic	(As)	Not Detected	<2 ppm	PASS	25
Barium	(Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium	(Cd)	Not Detected	<2 ppm	PASS	75
Chromium	(Cr)	Not Detected	<5 ppm	PASS	60
Lead	(Pb)	Not Detected	<5 ppm	PASS	90
Mercury	(Hg)	Not Detected	<2 ppm	PASS	60
Selenium	(Se)	Not Detected	<2 ppm	PASS	500

ppm (part per million)

=mg / kg

<

=Less Than



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Test Method	Result	Requirements
Safety of toys. Specification for Migration of Certain Elements		
BS EN 71-3 : 1995		
Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.		
	RESULT	Detection Limit
		PASS/FAIL
		Requirement (ppm)
7- Composite sample of brown/white paper on the dye,green/white paper on the dye,dark green/white paper on the dye		
Antimony (Sb)	Not Detected	<2 ppm
		PASS
60		
Arsenic (As)	Not Detected	<2 ppm
		PASS
25		
Barium (Ba)	Not Detected	<2 ppm
		PASS
1000		
Cadmium (Cd)	Not Detected	<2 ppm
		PASS
75		
Chromium (Cr)	Not Detected	<5 ppm
		PASS
60		
Lead (Pb)	Not Detected	<5 ppm
		PASS
90		
Mercury (Hg)	Not Detected	<2 ppm
		PASS
60		
Selenium (Se)	Not Detected	<2 ppm
		PASS
500		
8- Composite sample of black/white paper on the dye,navy/white paper on the dye,blue/white paper on the dye		
Antimony (Sb)	Not Detected	<2 ppm
		PASS
60		
Arsenic (As)	Not Detected	<2 ppm
		PASS
25		
Barium (Ba)	Not Detected	<2 ppm
		PASS
1000		
Cadmium (Cd)	Not Detected	<2 ppm
		PASS
75		
Chromium (Cr)	Not Detected	<5 ppm
		PASS
60		
Lead (Pb)	Not Detected	<5 ppm
		PASS
90		
Mercury (Hg)	Not Detected	<2 ppm
		PASS
60		
Selenium (Se)	Not Detected	<2 ppm
		PASS
500		

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



Test Method	Result	Requirements		
Safety of toys. Specification for Migration of Certain Elements				
BS EN 71-3 : 1995				
Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.				
	<u>RESULT</u>	<u>Detection Limit</u>	<u>PASS/FAIL</u>	<u>Requirement (ppm)</u>
9- Composite sample of transparent plastic separator,blue dye(s-1),purple dye(s-1)				
Antimony (Sb)	Not Detected	<2 ppm	PASS	60
Arsenic (As)	Not Detected	<2 ppm	PASS	25
Barium (Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium (Cd)	Not Detected	<2 ppm	PASS	75
Chromium (Cr)	Not Detected	<5 ppm	PASS	60
Lead (Pb)	Not Detected	<5 ppm	PASS	90
Mercury (Hg)	Not Detected	<2 ppm	PASS	60
Selenium (Se)	Not Detected	<2 ppm	PASS	500
10- Composite sample of multicolour carton box (s- 1&2)				
Antimony (Sb)	Not Detected	<2 ppm	PASS	60
Arsenic (As)	Not Detected	<2 ppm	PASS	25
Barium (Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium (Cd)	Not Detected	<2 ppm	PASS	75
Chromium (Cr)	Not Detected	<5 ppm	PASS	60
Lead (Pb)	Not Detected	<5 ppm	PASS	90
Mercury (Hg)	Not Detected	<2 ppm	PASS	60
Selenium (Se)	Not Detected	<2 ppm	PASS	500

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



Test Method	Result	Requirements		
Safety of toys. Specification for Migration of Certain Elements				
BS EN 71-3 : 1995				
Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.				
	<u>RESULT</u>	<u>Detection Limit</u>	<u>PASS/FAIL</u>	<u>Requirement (ppm)</u>
11- Composite sample of pink dye(s-1),red dye(s-1),orange dye(s-1)				
Antimony (Sb)	Not Detected	<2 ppm	PASS	60
Arsenic (As)	Not Detected	<2 ppm	PASS	25
Barium (Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium (Cd)	Not Detected	<2 ppm	PASS	75
Chromium (Cr)	Not Detected	<5 ppm	PASS	60
Lead (Pb)	Not Detected	<5 ppm	PASS	90
Mercury (Hg)	Not Detected	<2 ppm	PASS	60
Selenium (Se)	Not Detected	<2 ppm	PASS	500
12- Composite sample of yellow dye(s-1),black dye(s-1),brown dye(s-1)				
Antimony (Sb)	Not Detected	<2 ppm	PASS	60
Arsenic (As)	Not Detected	<2 ppm	PASS	25
Barium (Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium (Cd)	Not Detected	<2 ppm	PASS	75
Chromium (Cr)	Not Detected	<5 ppm	PASS	60
Lead (Pb)	Not Detected	<5 ppm	PASS	90
Mercury (Hg)	Not Detected	<2 ppm	PASS	60
Selenium (Se)	Not Detected	<2 ppm	PASS	500

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



Test Method	Result	Requirements		
Safety of toys. Specification for Migration of Certain Elements				
BS EN 71-3 : 1995				
Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.				
	<u>RESULT</u>	<u>Detection Limit</u>	<u>PASS/FAIL</u>	<u>Requirement (ppm)</u>
13- Composite sample of light brown dye,light green dye,navy dye(s-1)				
Antimony (Sb)	Not Detected	<2 ppm	PASS	60
Arsenic (As)	Not Detected	<2 ppm	PASS	25
Barium (Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium (Cd)	Not Detected	<2 ppm	PASS	75
Chromium (Cr)	Not Detected	<5 ppm	PASS	60
Lead (Pb)	Not Detected	<5 ppm	PASS	90
Mercury (Hg)	Not Detected	<2 ppm	PASS	60
Selenium (Se)	Not Detected	<2 ppm	PASS	500
14- Composite sample of dark green dye(s-1),white inner plastic part,black under plastic part on box				
Antimony (Sb)	Not Detected	<2 ppm	PASS	60
Arsenic (As)	Not Detected	<2 ppm	PASS	25
Barium (Ba)	Not Detected	<2 ppm	PASS	1000
Cadmium (Cd)	Not Detected	<2 ppm	PASS	75
Chromium (Cr)	Not Detected	<5 ppm	PASS	60
Lead (Pb)	Not Detected	<5 ppm	PASS	90
Mercury (Hg)	Not Detected	<2 ppm	PASS	60
Selenium (Se)	Not Detected	<2 ppm	PASS	500

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



Test Method	Result	Requirements
Safety of toys. Specification for Migration of Certain Elements		
BS EN 71-3 : 1995		
Acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma-ICP_OES.		
	RESULT	Detection Limit
		PASS/FAIL
		Requirement (ppm)
15- Composite sample of transparent plastic cover on box,black brush handle,silver metal part on the brush		
Antimony (Sb)	Not Detected	<2 ppm
		PASS
60		
Arsenic (As)	Not Detected	<2 ppm
		PASS
25		
Barium (Ba)	Not Detected	<2 ppm
		PASS
1000		
Cadmium (Cd)	Not Detected	<2 ppm
		PASS
75		
Chromium (Cr)	Not Detected	<5 ppm
		PASS
60		
Lead (Pb)	Not Detected	<5 ppm
		PASS
90		
Mercury (Hg)	Not Detected	<2 ppm
		PASS
60		
Selenium (Se)	Not Detected	<2 ppm
		PASS
500		
16- Black brush		
Antimony (Sb)	Not Detected	<2 ppm
		PASS
60		
Arsenic (As)	Not Detected	<2 ppm
		PASS
25		
Barium (Ba)	Not Detected	<2 ppm
		PASS
1000		
Cadmium (Cd)	Not Detected	<2 ppm
		PASS
75		
Chromium (Cr)	Not Detected	<5 ppm
		PASS
60		
Lead (Pb)	Not Detected	<5 ppm
		PASS
90		
Mercury (Hg)	Not Detected	<2 ppm
		PASS
60		
Selenium (Se)	Not Detected	<2 ppm
		PASS
500		
ppm (part per million)	=mg / kg	
<	=Less Than	



Test Method	Result	Requirements
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Detection of Amines Derived From Azocolourants and Azodyes

Test Method : BS EN 14362 – 1 : 2012 for Textile Material

Detection of Amines Derived From Azocolourants and Azodyes

- 1- Composite sample of pink,light green dye (without extraction) <30 ppm
 2- Composite sample of multicolour cartoon box (s-1) (without extraction)
 3- Composite sample of blue,green dye (without extraction)
 4- Composite sample of yellow,orange,red dye (without extraction)
 5- Composite sample of beige,purple,light blue dye (without extraction)

FORBIDDEN AMINE	CAS NO	RESULT				
		1	2	3	4	5
4-AMINOBIHENYL	92-67-1	N	N	N	N	N
BENZIDINE	92-87-5	N	N	N	N	N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N	N	N	N	N
2-NAPHTHYLAMINE	91-59-8	N	N	N	N	N
*O-AMINOAZOTOLUENE	97-56-3	N	N	N	N	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N	N	N	N	N
P-CHLOROANILINE	106-47-8	N	N	N	N	N
2,4-DIAMINOANISOLE	615-05-4	N	N	N	N	N
4,4'-DIAMINOBIHENYLMETHANE	101-77-9	N	N	N	N	N
3,3'-DICHLOROBENZIDINE	91-94-1	N	N	N	N	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N	N	N	N	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N	N	N	N	N
3,3'-DIMETHYL-4,4' DIAMINOBIHENYLMETHANE	838-88-0	N	N	N	N	N
P-CRESIDINE	120-71-8	N	N	N	N	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N	N	N	N	N
4,4'-OXYDIANILINE	101-80-4	N	N	N	N	N
4,4'-THIODIANILINE	139-65-1	N	N	N	N	N
O-TOLUIDINE	95-53-4	N	N	N	N	N
2,4-TOLUYLENDIAMINE	95-80-7	N	N	N	N	N
2,4,5-TRIMETHYLANILINE	137-17-7	N	N	N	N	N
O-ANISIDINE	90-04-0	N	N	N	N	N
**P-AMINOAZOBENZENE	60-09-3	N	N	N	N	N
2,4 XYLIDINE	95-68-1	N	N	N	N	N
2,6 XYLIDINE	87-62-7	N	N	N	N	N

NOTE: *The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluylenediamine.

**Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4- phenylenediamine .

The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used.

Remark:

1)ACCORDING TO THE OFFICIAL METHOD EN ISO/TS 17234:2003, IF 4-AMINODIPHENYL OR 2-NAPHTHYLAMINE OR 2,4-DIAMINOANISOLE IS FOUND EXCEEDING 30 PPM, THE USE OF FORBIDDEN AZO DYESTUFF CANNOT BE ASCERTAINED WITHOUT ADDITIONAL INFORMATION eg. THE CHEMICAL STRUCTURE OF THE DYESTUFF USED. TEXTILE OR POLYESTER METHOD CASES ONLY.

2)AZO COLORANTS CONTENT REQUIREMENT IN ANNEX XVII ITEM 43 OF THE REACH REGULATION (EC)NO:1907/2006 FORMERLY KNOWN AS DIRECTIVE 2002/61/EC)

< = Less Than
 N= Not Detected
 Requirement= 30 ppm
 ppm(part per million)= mg/ kg
 Detection Limit = 5 ppm



Test Method	Result	Requirements
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Detection of Amines Derived From Azocolourants and Azodyes

Test Method : BS EN 14362 – 1 : 2012 for Textile Material
 Detection of Amines Derived From Azocolourants and Azodyes

- 6- Composite sample of multicolour cartoon box (s-2) (without extraction) <30 ppm
- 7- Composite sample of black,navy,blue dye (without extraction)
- 8- Brown dye (without extraction)
- 9- Black dye (without extraction)
- 10-Composite sample of brown,green,light green dye (without extraction)

	CAS NO	6	7	8	9	10
FORBIDDEN AMINE						
4-AMINOBIHENYL	92-67-1	N	N	N	N	N
BENZIDINE	92-87-5	N	N	N	N	N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N	N	N	N	N
2-NAPHTHYLAMINE	91-59-8	N	N	N	N	N
*O-AMINOAZOTOLUENE	97-56-3	N	N	N	N	N
*2-AMINO-4-NITROTOLUENE	99-55-8	N	N	N	N	N
P-CHLOROANILINE	106-47-8	N	N	N	N	N
2,4-DIAMINOANISOLE	615-05-4	N	N	N	N	N
4,4'-DIAMINOBIHENYLMETHANE	101-77-9	N	N	N	N	N
3,3'-DICHLOROBENZIDINE	91-94-1	N	N	14 ppm	26 ppm	N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N	N	N	N	N
3,3'-DIMETHYLBENZIDINE	119-93-7	N	N	N	N	N
3,3'-DIMETHYL-4,4' DIAMINOBIHENYLMETHANE	838-88-0	N	N	N	N	N
P-CRESIDINE	120-71-8	N	N	N	N	N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N	N	N	N	N
4,4'-OXYDIANILINE	101-80-4	N	N	N	N	N
4,4'-THIODIANILINE	139-65-1	N	N	N	N	N
O-TOLUIDINE	95-53-4	N	N	N	N	N
2,4-TOLUYLENDIAMINE	95-80-7	N	N	N	N	N
2,4,5-TRIMETHYLANILINE	137-17-7	N	N	N	N	N
O-ANISIDINE	90-04-0	N	N	N	N	N
**P-AMINOAZOBENZENE	60-09-3	N	N	N	N	N
2,4 XYLIDINE	95-68-1	N	N	N	N	N
2,6 XYLIDINE	87-62-7	N	N	N	N	N

NOTE: *The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluylenediamine.

**Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4- phenylenediamine .

The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used.

Remark:

1)ACCORDING TO THE OFFICIAL METHOD EN ISO/TS 17234:2003, IF 4-AMINODIPHENYL OR 2-NAPHTHYLAMINE OR 2,4-DIAMINOANISOLE IS FOUND EXCEEDING 30 PPM, THE USE OF FORBIDDEN AZO DYESTUFF CANNOT BE ASCERTAINED WITHOUT ADDITIONAL INFORMATION eg. THE CHEMICAL STRUCTURE OF THE DYESTUFF USED.

TEXTILE OR POLYESTER METHOD CASES ONLY.
 2)AZO COLORANTS CONTENT REQUIREMENT IN ANNEX XVII ITEM 43 OF THE REACH REGULATION (EC)NO:1907/2006 FORMERLY KNOWN AS DIRECTIVE 2002/61/EC)

- < = Less Than
- N= Not Detected
- Requirement= 30 ppm
- ppm(part per million)= mg/ kg
- Detection Limit = 5 ppm



Test Method	Result	Requirements
Detection of Amines Derived From Azocolourants and Azodyes		
Test Method : BS EN 14362 – 1 : 2012 for Textile Material		
Detection of Amines Derived From Azocolourants and Azodyes		
11- Composite sample of white,yellow,orange dye (without extraction)		<30 ppm
12- Composite sample of yellow,orange,pink paper on dye (without extraction)		
13- Composite sample of pink,red,purple dye (without extraction)		
14- Composite sample of green,light green,black paper on dye (without extraction)		
15-Composite sample of red,purple,brown paper on dye (without extraction)		
16-Composite sample of navy,blue paper on dye (without extraction)		
	CAS NO	RESULT
FORBIDDEN AMINE		11 12 13 14 15 16
4-AMINOBIHENYL	92-67-1	N N N N N N
BENZIDINE	92-87-5	N N N N N N
CHLORO-O-4-CHLOR-O-TOLUIDINE	95-69-2	N N N N N N
2-NAPHTHYLAMINE	91-59-8	N N N N N N
*O-AMINOAZOTOLUENE	97-56-3	N N N N N N
*2-AMINO-4-NITROTOLUENE	99-55-8	N N N N N N
P-CHLOROANILINE	106-47-8	N N N N N N
2,4-DIAMINOANISOLE	615-05-4	N N N N N N
4,4'-DIAMINOBIHENYLMETHANE	101-77-9	N N N N N N
3,3'-DICHLOROBENZIDINE	91-94-1	N N N N N N
3,3'-DIMETHOXYBENZIDINE	119-90-4	N N N N N N
3,3'-DIMETHYLBENZIDINE	119-93-7	N N N N N N
3,3'-DIMETHYL-4,4' DIAMINOBIHENYLMETHANE	838-88-0	N N N N N N
P-CRESIDINE	120-71-8	N N N N N N
4,4'-METHYLENE-BIS-(2 CHLOROANILINE)	101-14-4	N N N N N N
4,4'-OXYDIANILINE	101-80-4	N N N N N N
4,4'-THIODIANILINE	139-65-1	N N N N N N
O-TOLUIDINE	95-53-4	N N N N N N
2,4-TOLUYLENDIAMINE	95-80-7	N N N N N N
2,4,5-TRIMETHYLANILINE	137-17-7	N N N N N N
O-ANISIDINE	90-04-0	N N N N N N
**P-AMINOAZOBENZENE	60-09-3	N N N N N N
2,4 XYLIDINE	95-68-1	N N N N N N
2,6 XYLIDINE	87-62-7	N N N N N N

NOTE: *The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4-toluylenediamine.

**Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4-phenylenediamine.

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Remark:

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TEXTILE OR POLYESTER METHOD CASES ONLY.

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 N= Not Detected
 Requirement= 30 ppm
 ppm(part per million)= mg/ kg
 Detection Limit = 5 ppm



Test Method	Result	Requirements
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Original



Reference



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<http://www.intertek-turkey.com>

Test Method	Result	Requirements
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END OF TEST REPORT

