

TEST REPORT

REPORT NUMBER : TURT160013951
APPLICANT NAME Ceren Kağıt ve Kırtasiye A.Ş.
ADDRESS İOSB Ziya Gökalp Mh.Eski Turgut Özal Cd. Haseyad İş Mrkz. Başakşehir/İstanbul
Fax No: 0212 659 02 20
Attention : Figen Toprak (figen@cerenkirtasiye.com.tr)
BUYER TUKID TOYS
SAMPLE DESCRIPTION : Three samples of Colorland oil pastel 12 colours
DATE IN : 27 January,2016 (13:26)
DATE OUT : 04 February,2016
COUNTRY OF ORIGIN: CHINA
REFERENCE: COLOR-PAS01

TEST	Sample
SAFETY OF TOYS-PART 1:MECHANICAL AND PHYSICAL PROPERTIES	P (Except 7.2)
SAFETY OF TOYS-PART 2:FLAMMABILITY	P
TOXIC ELEMENTS ANALYSIS	P
PHTHALATE CONTENT	P
DETECTION OF AMİNES DERİVED FROM AZOCOLOURANTS AND AZODYES	P
PRIMARY AROMATIC AMINES	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

The test results relate only to the items tested. The whole and/or the part of this test report shall not be reproduced and shall not be shared with third parties, nor to be used for PR activities without the written permission of INTERTEK Test Hizmetleri A.S.

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 TURKAK accreditation requirements. Unless otherwise is specified, all Pass or Fail results are given without uncertainty considered. When uncertainty is taken into account, the result may be borderline. Borderline results need to be re-tested to determine their disposition up to customer's decision. Opinions and interpretations expressed herein are outside the scope of TURKAK accreditation. Tests marked (*) in this test report are not included in the TURKAK accreditation schedule for this laboratory.



Melahat YILDIRIM
COORDINATOR



Sinan ÖNCEL / Customer Care Manager

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160013951

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 with a flexible plastic window which was considered to be for retention.

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	Toys not intended for children under 36 months The item, its packaging or accompanying leaflet must be labelled with: The following warning, "Warning! Not suitable for children under 36 months" with a brief indication of the specific hazard (e.g Choking hazard).	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.** **(Not 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 **(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

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 - 2 : 2011 + A1 : 2014 Safety of Toys – Flammability

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

Test Method	Result	Requirements
PART NO	TESTED SAMPLE	
1	Transparent outer plastic part	
2	Multicolour cartoon box	
3	Red,white paper	
4	Yellow crayon	
5	Light blue crayon	
6	Light brown crayon	
7	Black crayon	
8	Dark green crayon	
9	Beige crayon	
10	Brown crayon	
11	Red crayon	
12	Blue crayon	
13	White crayon	
14	Orange crayon	
15	Green crayon	

Test Method	Result	Requirements
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Toxic Elements Analysis

BS EN 71-3:2013+A1 : 2014

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

	<u>Part 1</u>	<u>Part 2</u>	<u>Part 3</u>
Antimony (Sb)	ND	ND	ND
Arsenic (As)	ND	ND	ND
Barium (Ba)	ND	8.8 ppm	3.2 ppm
Cadmium (Cd)	ND	ND	ND
Chromium (III)	ND	0.3 ppm	ND
Chromium (VI)	ND	ND	ND
Lead (Pb)	ND	1.6 ppm	ND
Mercury (Hg)	ND	ND	ND
Selenium (Se)	ND	ND	ND
Aluminium (Al)	7.2 ppm	416.6 ppm	3.6 ppm
Boron (B)	ND	3.4 ppm	ND
Cobalt (Co)	ND	ND	ND
Copper (Cu)	ND	2.5 ppm	ND
Manganese (Mn)	ND	14.9 ppm	10.1 ppm
Nickel (Ni)	ND	ND	ND
Strontium (Sr)	0.2 ppm	26.6 ppm	28.6 ppm
Tin (Sn)	ND	ND	ND
Organic tin	ND	ND	ND
Zinc (Zn)	6.8 ppm	12.9 ppm	ND

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	<0.1 ppm	560
Arsenic (As)	<0.1 ppm	47
Barium (Ba)	<1 ppm	18750
Cadmium (Cd)	<0.1 ppm	17
Chromium (III)	<0.1 ppm	460
Chromium (VI)	<0.1 ppm	0,2
Lead (Pb)	<0.1 ppm	160
Mercury (Hg)	<0.01 ppm	94
Selenium (Se)	<0.1 ppm	460
Aluminium (Al)	<1 ppm	70000
Boron (B)	<1 ppm	15000
Cobalt (Co)	<1 ppm	130
Copper (Cu)	<1 ppm	7700
Manganese (Mn)	<1 ppm	15000
Nickel (Ni)	<1 ppm	930
Strontium (Sr)	<0.1 ppm	56000
Tin (Sn)	<1.2 ppm	180000
Organic tin	<0.1 ppm	12
Zinc (Zn)	<1 ppm	46000

(Total uncertainty=Results quoted have been corrected for uncertainty)

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

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Test Method	Result				Requirements
Toxic Elements Analysis					
BS EN 71-3:2013+A1 : 2014					
Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP_MS.					
	Part 4	Part 5	Part 6	Part 7	
Antimony (Sb)	ND	ND	ND	ND	
Arsenic (As)	ND	ND	ND	ND	
Barium (Ba)	2.2 ppm	484.6 ppm	6.5 ppm	4.8 ppm	
Cadmium (Cd)	ND	ND	ND	ND	
Chromium (III)	ND	ND	ND	ND	
Chromium (VI)	ND	ND	ND	ND	
Lead (Pb)	ND	ND	ND	ND	
Mercury (Hg)	ND	ND	ND	ND	
Selenium (Se)	ND	ND	ND	ND	
Aluminium (Al)	11.8 ppm	ND	2.1 ppm	ND	
Boron (B)	ND	ND	ND	ND	
Cobalt (Co)	ND	ND	ND	ND	
Copper (Cu)	ND	ND	ND	ND	
Manganese (Mn)	2.9 ppm	2.6 ppm	2.9 ppm	2.6 ppm	
Nickel (Ni)	ND	ND	ND	ND	
Strontium (Sr)	28 ppm	29 ppm	29.4 ppm	29 ppm	
Tin (Sn)	ND	ND	ND	ND	
Organic tin	ND	ND	ND	ND	
Zinc (Zn)	ND	ND	ND	ND	

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	<0.1 ppm	45
Arsenic (As)	<0.1 ppm	3.8
Barium (Ba)	<1 ppm	1500
Cadmium (Cd)	<0.1 ppm	1.3
Chromium (III)	<0.1 ppm	37.5
Chromium (VI)	<0.1 ppm	0.02
Lead (Pb)	<0.1 ppm	13.5
Mercury (Hg)	<0.01 ppm	7.5
Selenium (Se)	<0.1 ppm	37.5
Aluminium (Al)	<1 ppm	5625
Boron (B)	<1 ppm	1200
Cobalt (Co)	<1 ppm	10.5
Copper (Cu)	<1 ppm	622.5
Manganese (Mn)	<1 ppm	1200
Nickel (Ni)	<1 ppm	75
Strontium (Sr)	<0.1 ppm	4500
Tin (Sn)	<1.2 ppm	15000
Organic tin	<0.1 ppm	0.9
Zinc (Zn)	<1 ppm	3750

(Total uncertainty=Results quoted have been corrected for uncertainty)
ppm (Part per million)

<
ND

=mg / kg
=Less Than
=Not Detected

Test Method	Result	Requirements
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Toxic Elements Analysis

BS EN 71-3:2013+A1 : 2014

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

	Part 8	Part 9	Part 10	Part 11
Antimony (Sb)	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND
Barium (Ba)	2.3 ppm	2.3 ppm	4.5 ppm	176.7 ppm
Cadmium (Cd)	ND	ND	ND	ND
Chromium (III)	ND	ND	ND	ND
Chromium (VI)	ND	ND	ND	ND
Lead (Pb)	ND	ND	ND	ND
Mercury (Hg)	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND
Aluminium (Al)	ND	ND	47 ppm	7.5 ppm
Boron (B)	ND	ND	ND	ND
Cobalt (Co)	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND
Manganese (Mn)	2.5 ppm	3 ppm	3.2 ppm	3 ppm
Nickel (Ni)	ND	ND	ND	ND
Strontium (Sr)	28.6 ppm	28.3 ppm	27.5 ppm	40.6 ppm
Tin (Sn)	ND	ND	ND	ND
Organic tin	ND	ND	ND	ND
Zinc (Zn)	ND	ND	ND	ND

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	<0.1 ppm	45
Arsenic (As)	<0.1 ppm	3.8
Barium (Ba)	<1 ppm	1500
Cadmium (Cd)	<0.1 ppm	1.3
Chromium (III)	<0.1 ppm	37.5
Chromium (VI)	<0.1 ppm	0.02
Lead (Pb)	<0.1 ppm	13.5
Mercury (Hg)	<0.01 ppm	7.5
Selenium (Se)	<0.1 ppm	37.5
Aluminium (Al)	<1 ppm	5625
Boron (B)	<1 ppm	1200
Cobalt (Co)	<1 ppm	10.5
Copper (Cu)	<1 ppm	622.5
Manganese (Mn)	<1 ppm	1200
Nickel (Ni)	<1 ppm	75
Strontium (Sr)	<0.1 ppm	4500
Tin (Sn)	<1.2 ppm	15000
Organic tin	<0.1 ppm	0.9
Zinc (Zn)	<1 ppm	3750

(Total uncertainty=Results quoted have been corrected for uncertainty)

ppm (Part per million)

<

ND

=mg / kg

=Less Than

=Not Detected

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Test Method	Result				Requirements
Toxic Elements Analysis					
BS EN 71-3:2013+A1 : 2014					
Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP_MS.					
	Part 12	Part 13	Part 14	Part 15	
Antimony (Sb)	ND	ND	ND	ND	ND
Arsenic (As)	ND	ND	ND	ND	ND
Barium (Ba)	47.7 ppm	ND	175 ppm	3.5 ppm	3.5 ppm
Cadmium (Cd)	ND	ND	ND	ND	ND
Chromium (III)	ND	ND	ND	ND	ND
Chromium (VI)	ND	ND	ND	ND	ND
Lead (Pb)	ND	ND	ND	ND	ND
Mercury (Hg)	ND	ND	ND	ND	ND
Selenium (Se)	ND	ND	ND	ND	ND
Aluminium (Al)	ND	4.7 ppm	ND	3.3 ppm	3.3 ppm
Boron (B)	ND	ND	ND	ND	ND
Cobalt (Co)	ND	ND	ND	ND	ND
Copper (Cu)	ND	ND	ND	ND	ND
Manganese (Mn)	3.2 ppm	3.4 ppm	2.6 ppm	3.1 ppm	3.1 ppm
Nickel (Ni)	ND	ND	ND	ND	ND
Strontium (Sr)	29.3 ppm	25.4 ppm	30.4 ppm	27.9 ppm	27.9 ppm
Tin (Sn)	ND	ND	ND	ND	ND
Organic tin	ND	ND	ND	ND	ND
Zinc (Zn)	ND	ND	ND	ND	ND

	Detection Limit	Requirements (mg/kg)
Antimony (Sb)	<0.1 ppm	45
Arsenic (As)	<0.1 ppm	3.8
Barium (Ba)	<1 ppm	1500
Cadmium (Cd)	<0.1 ppm	1.3
Chromium (III)	<0.1 ppm	37.5
Chromium (VI)	<0.1 ppm	0.02
Lead (Pb)	<0.1 ppm	13.5
Mercury (Hg)	<0.01 ppm	7.5
Selenium (Se)	<0.1 ppm	37.5
Aluminium (Al)	<1 ppm	5625
Boron (B)	<1 ppm	1200
Cobalt (Co)	<1 ppm	10.5
Copper (Cu)	<1 ppm	622.5
Manganese (Mn)	<1 ppm	1200
Nickel (Ni)	<1 ppm	75
Strontium (Sr)	<0.1 ppm	4500
Tin (Sn)	<1.2 ppm	15000
Organic tin	<0.1 ppm	0.9
Zinc (Zn)	<1 ppm	3750

(Total uncertainty=Results quoted have been corrected for uncertainty)
ppm (Part per million)

<
ND

=mg / kg
=Less Than
=Not Detected

Test Method	Result	Requirements
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PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

1-Transparent outer plastic part	
	<u>RESULT (%. w/w)</u>
DIBUTYL PHTHALATE (DBP)	Not Detected
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected
BENZYL BUTYL PHTHALATE (BBP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
	<u>RESULT (%. w/w)</u>
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content
 ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT

(Estimated Total Uncertainty=± 5 %)

Test Method	Result	Requirements
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PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

2-Composite sample of black dye,blue dye,light brown dye	
	<u>RESULT (%, w/w)</u>
DIBUTYL PHTHALATE (DBP)	Not Detected
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected
BENZYL BUTYL PHTHALATE (BBP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
	<u>RESULT (%, w/w)</u>
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

(Estimated Total Uncertainty=± 5 %)

Test Method	Result	Requirements
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PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

3-Composite sample of cream,white,light green dye	
	<u>RESULT (%, w/w)</u>
DIBUTYL PHTHALATE (DBP)	Not Detected
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected
BENZYL BUTYL PHTHALATE (BBP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
	<u>RESULT (%, w/w)</u>
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

(Estimated Total Uncertainty=± 5 %)

Test Method	Result	Requirements
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PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

4-Composite sample of dark blue,dark brown,red dye	
	RESULT (%, w/w)
DIBUTYL PHTHALATE (DBP)	Not Detected
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected
BENZYL BUTYL PHTHALATE (BBP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
	RESULT (%, w/w)
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

(Estimated Total Uncertainty=± 5 %)

Test Method	Result	Requirements
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PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004

5-Composite sample of light yellow,green,orange dye	
	<u>RESULT (%, w/w)</u>
DIBUTYL PHTHALATE (DBP)	Not Detected
DIETHYL HEXYL PHTHALATE (DEHP)	Not Detected
BENZYL BUTYL PHTHALATE (BBP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
	<u>RESULT (%, w/w)</u>
DI-ISO-NONYL PHTHALATE (DINP)	Not Detected
DI-N-OCTYL PHTHALATE (DNOP)	Not Detected
DI-ISO-DECYL PHTHALATE (DIDP)	Not Detected
SUM OF THREE PHTHALATES	Not Detected
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK = The Limit of 0.1% by weight was quoted according to Annex XVII Items 51&52 of the REACH Regulation (EC) No.1907/2006 (Formerly known as Directive 2005/84/EC) for Phthalate Content

ppm (part per million) =mg / kg

Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm

< =Less Than

* =EXCEEDED LIMIT

(Estimated Total Uncertainty=± 5 %)

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 multicolour carton box (without extraction) <30 ppm
- 2-Red paper(without extraction)
- 3-Composite sample of black ,blue,light brown dye (without extraction)
- 4-Composite sample of cream,white,light green dye(without extraction)
- 5-Composite sample of dark blue,dark brown,red dye(without extraction)
- 6- Composite sample of light yellow,green,orange dye (without extraction)

FORBIDDEN AMINE	CAS NO	RESULT					
		1	2	3	4	5	6
4-AMINOBIPHENYL	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'-DIAMINOBIPHENYLMETHANE	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' DIAMINOBIPHENYLMETHANE	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- toluenylenediamine.

**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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Primary Aromatic Amines

EN 71 Part 9&10&11

1-Composite sample of black ,blue,light brown dye	<30 ppm
2- Composite sample of cream,white,light green dye	
3- Composite sample of dark blue,dark brown,red dye	
4- Composite sample of light yellow,green,orange dye	

<u>FORBIDDEN AMINE</u>	<u>CAS NO</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Benzidine	92-67-1	N	N	N	N
2-naphthylamine	92-87-5	N	N	N	N
4-chloroaniline	95-69-2	N	N	N	N
3,3'-dichlorobenzidine	91-59-8	N	N	N	N
3,3'-dimethoxybenzidine	97-56-3	N	N	N	N
3,3'-dimethylbenzidine	99-55-8	N	N	N	N
O-toluidine	106-47-8	N	N	N	N
2-methoxyaniline (o-anisidine)	615-05-4	N	N	N	N
Aniline	101-77-9	N	N	N	N

< =	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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END OF TEST REPORT