

TEST REPORT

REPORT NUMBER : TURT150152579
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 NOT GIVEN

SAMPLE DESCRIPTION :
Sample 1: One sample of playdoh oil pastels 24 colours
Sample 2: One sample of playdoh oil pastels 18 colours
Sample 3: One sample of playdoh oil pastels 12 colours

DATE IN : 21 September, 2015 (13:59)
DATE OUT : 29 September, 2015
COUNTRY OF ORIGIN : NOT GIVEN
MODEL NO :
Sample 1: PLAY-PA011
Sample 2: PLAY-PA010
Sample 3: PLAY-PA009

TEST	Sample 1	Sample 2	Sample 3
SAFETY OF TOYS SPECIFICATION FOR MIGRATION OF CERTAIN ELEMENTS	P	P	P
TOTAL PHTHALATE CONTENT	P	P	P
DETECTION OF AMİNES DERİVED FROM AZOCOLOURANTS AND AZODYES	P	P	P
PRIMARY AROMATIC AMINES	P	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

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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. 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 TÜRKAK accreditation. Tests marked (*) in this test report are not included in the TÜRKAK accreditation schedule for this laboratory.

Melahat YILDIRIM
COORDINATOR

Sinan ÖNCEL / Customer Care Manager



Intertek Test Hizmetleri A.S.
Merkez Mahallesi Sanayi Cad. No 23 Altındag Plaza Yenibosna-34197 /İSTANBUL
Phone : +90 212 496 46 46 Fax: +90 212 452 80 55
e-mail : intertekcg.turkiye@intertek.com
<http://www.intertek-turkey.com>



150152579

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.

Sample 1-2-3		<u>RESULT</u>	<u>Detection Limit</u>	<u>PASS/FAIL</u>	<u>Requirement (ppm)</u>
1- Composite sample of dark red dye,red dye,orange 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
2- Composite sample of light orange dye,beige dye,yellow 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.		
Sample 1-2-3	RESULT	Detection Limit
	PASS/FAIL	Requirement (ppm)
3- Composite sample of light green dye,green dye,dark green 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
4- Composite sample of turquoise dye,blue dye,dark blue 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
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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.

Sample 1-2

		<u>RESULT</u>	<u>Detection Limit</u>	<u>PASS/FAIL</u>	<u>Requirement (ppm)</u>
5- Composite sample of navy dye,dark purple dye,purple 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 dark pink dye,pink dye,light pink 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
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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.

Sample 1-2-3	RESULT	Detection Limit	PASS/FAIL	Requirement (ppm)
7- Composite sample of light brown dye,brown dye,dark brown 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 dye,greyscale dye,white 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.		
Sample 1-3	RESULT	Detection Limit
	PASS/FAIL	Requirement (ppm)
9- Composite sample of pink plastic box,yellow plastic 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
Sample 1-2-3		
10- Composite sample of blue plastic box,transparent seperator		
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.

Sample 1-2-3		<u>RESULT</u>	<u>Detection Limit</u>	<u>PASS/FAIL</u>	<u>Requirement (ppm)</u>
11- Composite sample of multicolour print on the paper					
	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 multicolour sticker					
	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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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004 - Mass Spectrometric (GC- MS) Analysis

Sample 1-2-3	RESULT (%. w/w)
1-Composite sample of dark red dye,red dye,orange dye,light orange dye,beige dye	
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK =The Above Limit 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.
 =Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004 - Mass Spectrometric (GC- MS) Analysis

Sample 1-2-3	RESULT (%. w/w)
2-Composite sample of yellow dye,light green dye,green dye,dark green dye,turquoise dye	
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
<u>RESULT (%. w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK =The Above Limit 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.
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ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
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(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004 - Mass Spectrometric (GC- MS) Analysis

Sample 1-2-3	RESULT (%, w/w)
3-Composite sample of blue dye,dark blue dye,navy dye,dark purple dye,purple dye	
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK =The Above Limit 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.
 =Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004 - Mass Spectrometric (GC- MS) Analysis

Sample 1-2-3	RESULT (%, w/w)
4-Composite sample of dark pink dye,pink dye,light pink dye,light brown dye,brown dye	
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK =The Above Limit 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.
 =Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004 - Mass Spectrometric (GC- MS) Analysis

Sample 1-2-3	RESULT (%, w/w)
5-Composite sample of dark brown dye,black dye,grey dye,white dye	
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

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 =Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004 - Mass Spectrometric (GC- MS) Analysis

Sample 1-2-3	RESULT (%, w/w)
6-Transparent seperator	
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK =The Above Limit 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.
 =Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(Estimated Total uncertainty=± 5 %)



Test Method	Result	Requirements
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TOTAL PHTHALATE CONTENT

INTERTEK IHTM AL.2.026 based on EN 14372 : 2004 - Mass Spectrometric (GC- MS) Analysis

Sample 1-2-3	RESULT (%, w/w)
7-Composite sample of multicolour sticker	
DIBUTYL PHTHALATE (DBP)	ND
DIETHYL HEXYL PHTHALATE (DEHP)	ND
BENZYL BUTYL PHTHALATE (BBP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)
<u>RESULT (%, w/w)</u>	
DI-ISO-NONYL PHTHALATE (DINP)	ND
DI-N-OCTYL PHTHALATE (DNOP)	ND
DI-ISO-DECYL PHTHALATE (DIDP)	ND
SUM OF THREE PHTHALATES	ND
LIMIT (MAX.)	TOTAL 0.1% (1000 ppm)

REMARK =The Above Limit 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.
 =Correction of the mass due to untreated textile components has been done

ppm (part per million) =mg / kg
 Detection Limit = DINP, DIDP: 100 ppm, Other phthalates: 10 ppm
 < =Less Than
 * =EXCEEDED LIMIT
 ND =Not Detected

COMMENT =The Phthalate Content Test Result DID NOT EXCEED The Limit Of 0.1% By Weight As Stated In European Commission Directive 2005/84/EC On 14 December 2005 Relating To Restrictions On Phthalates In Toys And Children Articles.

(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

Sample 1-2-3

- 1-Composite sample of dark red,red,orange dye (without extraction) <30 ppm
- 2-Composite sample of light orange,beige,yellow dye (without extraction)
- 3-Composite sample of light green,green,dark green dye (without extraction)
- 4-Composite sample of turquoise,blue,dark blue dye (without extraction)
- 5-Composite sample of navy,dark purple,purple dye (without extraction)
- 6-Composite sample of dark pink,pink,light pink dye (without extraction)
- 7-Composite sample of light brown,brown,dark brown dye (without extraction)
- 8 Composite sample of black,greyl,white dye (without extraction)

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

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
Primary Aromatic Amines		
EN 71 Part 9&10&11		
Sample 1-2-3		
1-Composite sample of dark red,red,orange dye		<30 ppm
2-Composite sample of light orange,beige,yellow dye		
3-Composite sample of light green,green,dark green dye		
4-Composite sample of turquoise,blue,dark blue dye		
5-Composite sample of navy,dark purple,purple dye		
6-Composite sample of dark pink,pink,light pink dye		
7-Composite sample of light brown,brown,dark brown dye		
8 Composite sample of black,green,white dye		
FORBIDDEN AMINE		
	CAS NO	1 2 3 4 5 6 7 8
Benzidine	92-67-1	N N N N N N N N
2-naphthylamine	92-87-5	N N N N N N N N
4-chloroaniline	95-69-2	N N N N N N N N
3,3'-dichlorobenzidine	91-59-8	N N N N N N N N
3,3'-dimethoxybenzidine	97-56-3	N N N N N N N N
3,3'-dimethylbenzidine	99-55-8	N N N N N N N N
O-toluidine	106-47-8	N N N N N N N N
2-methoxyaniline (o-anisidine)	615-05-4	N N N N N N N N
Aniline	101-77-9	N N N N 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
		
		



Test Method	Result	Requirements
		

END OF TEST REPORT

