

NUMBER : TSNT01175221

Original Picture



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Tests Conducted:

1. pH Value

As Per BS EN 420:2003+A1:2009,4.3.2, With Reference To BS EN ISO 3071:2006 For Textile, KCl Solution/Deionized Water Was Used For Extraction, pH Value Was Measured By pH Meter.

<u>Tested Component</u>	<u>Result</u>	<u>Requirement</u>
(1)	6.6	*
(2)	7.2	*
(3)	7.2	*
(4)	7.3	*
(5)	6.9	*
(6)	6.8	*
(7)	6.9	*

Temperature Of The Extracting Solution: 20.4 °C

pH Of The Extracting Solution: 5.9

Remark: * = The pH Value Shall Be Greater Than 3.5 And Less Than 9.5. And For Method EN ISO 4045:2008 The Difference Figure Do Not Need To Test.

Tested Components:

Conclusion:

<u>Tested Components</u>	<u>Test Item/Standard</u>	<u>Result</u>
(1)(2)(3)(4)(5)(6)&(7)	BS EN 420:2003+A1:2009 For pH Value	Pass

2. Design And Construction (BS EN 420: 2003+A1: 2009, 4.1):

(A)	<u>Requirement</u>	<u>Pass/Fail</u>
Comply With Requirement	*	Pass

Remark: * = The Protective Glove Shall Be Designed And Manufactured So That In The Foreseeable Conditions Of Use For Which It Is Intended, The User Can Perform The Hazard Related Activity Normally Whilst Enjoying Appropriate Protection At The Highest Possible Level. If Required, The Glove Shall Be Designed To Minimize The Time Needed For Putting On And Taking Off. When The Glove Construction Includes Seams, The Material And Strength Of The Seams Shall Be Such That The Overall Performance Of The Glove Is Not Significantly Decreased.

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Tests Conducted :

4. Finger Dexterity Test (BS EN 420:2003+A1: 2009, 6.2):

Sample(A)	The Smallest Diameter Of Pin Picked Up
Specimen 1(Left Hand):	5 mm
Specimen 2(Right Hand):	5 mm
Specimen 3(Left Hand):	5 mm
Specimen 4(Right Hand):	5 mm
Performance Level:	5(*)

Remark: * = The Classification Is Determined By The Smallest Diameter Of Pin Picked Up Of The Four Test Specimens.

Remark:

Performance Level	The Smallest Diameter Of Pin Shall Be Picked Up
Level 1	11 mm
Level 2	9.5 mm
Level 3	8 mm
Level 4	6.5 mm
Level 5	5 mm

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Tests Conducted :

5. Abrasion Resistance (BS EN 388: 2016, 6.1, 9 kPa):

Adhesion Contact Time Of Test Specimen With The Double-Sided Adhesive Tape Under A Weight Of A Approximatley 10 Kg	At Least 5 Min
Surface Treatment Of Test Specimen In Order To Improve Adhesion	No Surface Treatment
Abradant	The Klingspor PL 31 B-Grit 180 Grain Aluminium Oxide
Double-Sided Adhesive Tape	3M™ Double-Sided Adhesive Tape

Sample(A)

Observation	Specimen 1	Specimen 2	Specimen 3	Specimen 4
<u>After 100 Cycles:</u>	O	O	O	O
<u>After 500 Cycles:</u>	O	O	O	O
<u>After 2 000 Cycles:</u>	O	O	O	O
<u>After 8 000 Cycles:</u>	O	O	O	O

Performance Level : 4

Remark:

The Minimum Requirements For Each Level:

- Level 1: 100 Cycles
- Level 2: 500 Cycles
- Level 3: 2 000 Cycles
- Level 4: 8 000 Cycles
- Level 5: -

O = No Breakthrough
X = Breakthrough

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Tests Conducted :

8. Puncture Resistance (BS EN 388: 2016, 6.5):

	(A)
Specimen 1:	117 N
Specimen 2:	106 N
Specimen 3:	110 N
Specimen 4:	109 N
Performance Level :	3 (*)

Remark:

Level 1: 20 N

Level 2: 60 N

Level 3: 100 N

Level 4: 150 N

Level 5: -

Remark: * = The Classification Is Determined By The Lowest Value Of The Four Test Specimens.

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Tests Conducted :

9. Detection Of Amines Derived From Azocolourants and Azodyes:

With Reference To Test Method: Textile Method (EN 14362-1: 2012);

Amines Content Was Determined By Gas Chromatography-Mass Spectrometry (GC-MS) And High Performance Liquid Chromatography (HPLC)

	Forbidden Amine	CAS No.	Result (mg/kg)						
			Textile						
			1	2	3	4	5	6	7
1.	4-Aminodiphenyl	92-67-1	ND	ND	ND	ND	ND	ND	ND
2.	Benzidine	92-87-5	ND	ND	ND	ND	ND	ND	ND
3.	4-Chloro-o-toluidine	95-69-2	ND	ND	ND	ND	ND	ND	ND
4.	2-Naphthylamine	91-59-8	ND	ND	ND	ND	ND	ND	ND
5.	o-Aminoazotoluene	97-56-3	ND	ND	ND	ND	ND	ND	ND
6.	2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND	ND	ND	ND	ND
7.	p-Chloroaniline	106-47-8	ND	ND	ND	ND	ND	ND	ND
8.	2,4-Diaminoanisole	615-05-4	ND	ND	ND	ND	ND	ND	ND
9.	4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	ND	ND	ND	ND
10.	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND	ND
11.	3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	ND	ND	ND	ND
12.	3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	ND	ND	ND	ND
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	ND	ND	ND	ND	ND	ND	ND
14.	p-Cresidine	120-71-8	ND	ND	ND	ND	ND	ND	ND
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	ND	ND	ND	ND	ND	ND	ND
16.	4,4'-Oxydianiline	101-80-4	ND	ND	ND	ND	ND	ND	ND
17.	4,4'-Thiodianiline	139-65-1	ND	ND	ND	ND	ND	ND	ND
18.	o-Toluidine	95-53-4	ND	ND	ND	ND	ND	ND	ND
19.	2,4-Toluylenediamine	95-80-7	ND	ND	ND	ND	ND	ND	ND
20.	2,4,5-Trimethylaniline	137-17-7	ND	ND	ND	ND	ND	ND	ND
21.	o-Anisidine	90-04-0	ND	ND	ND	ND	ND	ND	ND
22.	4-Aminoazobenzene	60-09-3	ND	ND	ND	ND	ND	ND	ND

Remark: ND = Not detected
Detection limit = 5 mg/kg
Limit = 30 mg/kg

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Detection Of Amines Derived From Azocolourants and Azodyes(Cont'd):

Conclusion:

<u>Tested Components</u>	<u>Test Item/Standard</u>	<u>Result</u>
(1)(2)(3)(4)(5)(6)&(7)	Azocolourants Content Requirement In Annex XVII Item 43 Of The REACH Regulation (EC) NO. 1907/2006 & Amendment No. 552/2009 and 126/2013 (Formerly Known As Directive 2002/61/EC)	Pass

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