

TEST REPORT

Report Ref: LEHTX00101503 - INTERIM	
Date Received : 27/09/2017	Date Issued:

Company Name & Address	Bleu Agro 166 Avenue des Aureats Valence Drome France 26000
Contact Name:	GOURDOL Roland

Order No.:	
Description:	Thermal/Spandex Gloves
Colour (S) :	Navy Blue
Supplier:	IHSAN Sons (Pvt.) Ltd
End Use:	
Quoted Composition:	
Ref / Style No.	Thermolite Navy
Quality:	
Batch No.:	
Specification:	EN 388: 2016 / EN 420: 2003 + A1: 2009

Tests Conducted	Method	Sample	Pass/Fail
Gloves – Abrasion Resistance	EN 388 - 6.1		See Results
Gloves – Blade Cut Resistance	EN 388 - 6.2		Level 1
Gloves – Tear Strength	EN 388 - 6.4		Level 3
Gloves – Puncture Resistance	EN 388 - 6.5		Level 1
Gloves – Design & Construction	EN 420		Pass
Gloves – Sizing	EN 420		See Results
Gloves – Dexterity	EN 420	With blue dots Without blue dots	Level 5 Level 4
^Azo Dyes in Textiles	EN 14362-1		To Follow

RESULTS: See attachment

COMMENT: Where the results of a test fall close to the requirement, compliance with the specification may be affected by the uncertainty of measurement of the test. In those circumstances, the client is advised to contact the laboratory for further information

Unmarked tests included in this report are on our UKAS Scope 1516.

Tests marked (^) in this Report are included in the UKAS Scope of the sub-contractor who performed the test.

Tests marked (*) in this Report are not included in our UKAS Scope 1516.

Tests marked (**) in this Report are not included in the UKAS Scope for the sub-contractor who performed the test.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

Note: A sub-contractor whose certification comes under the ILAC agreement would also be marked in the same manner as a UKAS sub-contractor.



Steven Owen
(Laboratory Manager)

9341 GLOVES – ABRASION RESISTANCE (EN 388:2016 6.1)						
SAMPLE	Results					Performance Levels
Thermolite Navy - with blue dots	Holes developed before 100 cycles					Level 1: greater than 100 less than 500 cycles Level 2: greater than 500 less than 2000 cycles Level 3: greater than 2000 less than 8000 cycles Level 4: greater than 8000 cycles
9341 GLOVES – ABRASION RESISTANCE (EN 388:2016 6.1)						
SAMPLE	Results					Performance Levels
Thermolite Navy - without blue dots	Holes developed before 100 cycles					Level 1: greater than 100 less than 500 cycles Level 2: greater than 500 less than 2000 cycles Level 3: greater than 2000 less than 8000 cycles Level 4: greater than 8000 cycles
9342 GLOVES - BLADE CUT RESISTANCE (EN 388:2016 6.2)						
SAMPLE	RESULTS					Performance Level:
Thermolite Navy – with blue dots	Sample 1					Level 1: 1.2
	I1	I2	I3	I4	I5	Level 2: 2.5
	1.6	1.2	1.2	1.5	1.5	Level 3: 5.0
	Average Index: 1.4					Level 4: 10.0
	Sample 2					Level 5: 20.0
	I6	I7	I8	I9	I10	:
	--	--	--	--	--	
	Average Index: --					
9342 GLOVES - BLADE CUT RESISTANCE (EN 388:2016 6.2)						
SAMPLE	RESULTS					Performance Level:
Thermolite Navy – without blue dots	Sample 1					Level 1: 1.2
	I1	I2	I3	I4	I5	Level 2: 2.5
	--	--	--	--	--	Level 3: 5.0
	Average Index: --					Level 4: 10.0
	Sample 2					Level 5: 20.0
	I6	I7	I8	I9	I10	
	1.2	1.3	1.2	1.6	1.2	
	Average Index: 1.3					
9343 GLOVES – TEAR STRENGTH (EN 388:2016 6.4)						
SAMPLE	Results					Performance Levels
Thermolite Navy	68.11 N					Level 1: >10 N Level 2: >25 N Level 3: >50 N Level 4: >75 N

9340 GLOVES – PUNCTURE RESISTANCE (EN 388:2016 6.5)							
SAMPLE		Results			Performance Levels		
Thermolite Navy		28.36 N			Level 1: >20 N Level 2: >60 N Level 3: >100 N Level 4: >150 N		
9490 GLOVES – DESIGN AND CONSTRUCTION BS EN 420:2003 + A1: 2009							
SAMPLE		Results			REQUIREMENT		
Thermolite Navy		Meets Requirements			Shall meet the design and construction requirements		
9344 GLOVES - SIZING BS EN 420:2003 + A1: 2009							
SAMPLE		Results					
Thermolite Navy – with blue dots		Size: One size found to be Size 7/8		Size: found to be Size		Size: found to be Size	
		Left:	239	Left:	--	Left:	--
		Right:	240	Right:	--	Right:	--
9344 GLOVES - SIZING BS EN 420:2003 + A1: 2009							
SAMPLE		Results					
Thermolite Navy – without blue dots		Size: One size found to be Size 8		Size: found to be Size		Size: found to be Size	
		Left:	245	Left:	Left:	239	Left:
		Right:	244	Right:	Right:	240	Right:
9345 GLOVES - DEXTERITY BS EN 420:2003 + A1: 2009							
SAMPLE		Results					
Thermolite Navy – with blue dots		Size: One Size		Size:		Size:	
		Left:	5	Left:	--	Left:	--
		Right:	5	Right:	--	Right:	--
9345 GLOVES - DEXTERITY BS EN 420:2003 + A1: 2009							
SAMPLE		Results					
Thermolite Navy – without blue dots		Size: One Size		Size:		Size:	
		Left:	4	Left:	--	Left:	--
		Right:	4	Right:	--	Right:	--

8022 ^AZO DYES BS EN 14362-1: 2012		
Thermolite Navy		
By Gas Chromatographic – Mass Spectrometric (GC-MS) and High Performance Chromatographic (HPLC) analysis		
METHOD	Textile Method -	
REQUIREMENTS	<30 ppm	
Banned Amine In Azo Dyes	CAS Number	Result
4-Aminodiphenyl	92-67-1	
Benzidine	92-87-5	
4-Chloro-O-Toluidine	95-69-2	
2-Naphthylamine	91-59-8	
*o-Aminoazotoluene	97-56-3	
*2-Amino-4-nitrotoluene	99-55-8	
p-Chloroaniline	106-47-8	
2,4-Diamino-Anisole	615-05-4	
4,4'-Diaminodiphenylmethane	101-77-9	
3,3'-Dichlorobenzidine	91-94-1	
3,3'-Dimethoxybenzidine	119-90-4	
3,3'-Dimethylbenzidine	119-93-7	
4,4'diamino-3,3'-dimethylphenyl methane	838-88-0	
p-Cresidine	120-71-8	
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	
4,4'-Oxydianiline	101-80-4	
4,4'-Thiodianiline	139-65-1	
o-Toluidine	95-53-4	
2,4-toluylenediamine	95-80-7	
2,4,5-Trimethyl aniline	137-17-7	
o-Anisidine	90-04-0	
**P-aminoazobenzene	60-09-3	
2,4-dimethylbenzeneamine	95-68-1	
2,6-dimethylbenzeneamine	87-62-7	
Note: <ol style="list-style-type: none"> The amines o-amino-azotoluene and 2-amino-4-nitrotoluene are detected by its splitted product o-toluidine and 2,4- toluediamine. Azo colorants that are able to form 4-aminoazobenzene, generate under the condition of this method aniline and 1,4- phenylendiamine . The presence of these colorants can not be reliably ascertained without additional information, e.g. chemical structure of the colorant used. According to EN 14362-1:2012, separate test is suggested to ascertain the compliance for result of mixed test in the range between 5 ppm and 30 ppm. 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 According to the official method EN 14362-1:2012, if 4-Aminodiphenyl or 2-Naphthylamine or 2,4-Diaminoanisole is found exceeding requirement, the use of forbidden Azo colourants cannot be ascertained without additional information e.g. The chemical structure of the colourant used. 		
ppm : parts per million (mg/kg) / Detection limit: 5 ppm – ND: Not Detected / The allowed limit specified <30 ppm		



End of Report

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