

# TEST REPORT

<b>Report Ref:</b> LEHTX00101331	
<b>Date Received :</b> 25/08/2017	<b>Date Issued:</b> 01/09/2017

<b>Company Name &amp; Address</b>	Dirty Rigger Gloves & Accessories Sawtry Way Unit 1, Houghton Hill Industries Cambridge PE28 2DH
<b>Contact Name:</b>	Steven Marshall

<b>Order No.:</b>	
<b>Description:</b>	Phoenix
<b>Colour (S) :</b>	Black
<b>Supplier:</b>	
<b>End Use:</b>	Gloves
<b>Quoted Composition:</b>	
<b>Ref / Style No.</b>	
<b>Quality:</b>	
<b>Batch No.:</b>	
<b>Specification:</b>	EN 420: 2003 + A1: 2009 / EN 407: 2004

Tests Conducted	Method	Sample	Pass/Fail
^Gloves – Design & Construction	EN 420		Pass
^Gloves – Sizing	EN 420		See Results
^Gloves – Dexterity	EN 420		Level 5
^Determination of pH of Textile Material	EN ISO 3071		Pass
^Detection of Amines Derived from Azocolourants and Azodyes	EN 14362-1		Pass
^Detection of Amines Derived from Azocolourants and Azodyes	EN 14362-1	Grey Knitted Fabric	Fail
^Determination of pH in Leather	EN ISO 4045		Pass
^Determination of Chromium VI	EN ISO 17075		Pass
^Azo Dyes in Leather	EN ISO 17234-1		Pass

**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)

9490 ^GLOVES – DESIGN AND CONSTRUCTION BS EN 420:2003 + A1: 2009						
SAMPLE	Results		REQUIREMENT			
Phoenix Gloves	Meets Requirements		Shall meet the design and construction requirements			
9344 ^GLOVES - SIZING BS EN 420:2003 + A1: 2009						
SAMPLE	Results					
Phoenix Gloves	Size 6	Size 7	Size 8			
	Glove Length: 221 mm	Glove Length: 232 mm	Glove Length: 242 mm			
9344 ^GLOVES - SIZING BS EN 420:2003 + A1: 2009						
SAMPLE	Results					
Phoenix Gloves	Size 8	Size 9	Size --			
	Glove Length: 245 mm	Glove Length: 250 mm	--			
9345 ^GLOVES - DEXTERITY BS EN 420:2003 + A1: 2009						
SAMPLE	Results					
Phoenix Gloves	Specimen 1		Specimen 2		Specimen 3	
	Left:	5 mm	Left:	--	Left:	5 mm
	Right:	--	Right:	5 mm	Right:	--
9345 ^GLOVES - DEXTERITY BS EN 420:2003 + A1: 2009						
SAMPLE	Results					
Phoenix Gloves	Specimen 4		Specimen --		Specimen --	
	Left:	--	Left:	--	Left:	--
	Right:	5 mm	Right:	--	Right:	--

9512 ^EN 407 5.2 CONTACT HEAT RESISTANCE (EN 702)					
SAMPLE	Results		Performance Levels		
Phoenix Gloves	Tested on Palm Area		Level	Contact Temperature Tc (°C)	Threshold Time (s)
	Threshold Time (s)				
	Contact Temperature: 250°C		1	100	≥ 15
	Specimen 1:	15.0	2	250	≥ 15
	Specimen 2:	16.0	3	350	≥ 15
	Specimen 3:	20.0	4	500	≥ 15
	Mean:	17.0			
	Contact Temperature: 350°C				
	Specimen 1:	10.0			
	Specimen 2:	12.0			
	Specimen 3:	13.0			
	Mean:	12.0			
6005 ^PH OF TEXTILE MATERIAL BS EN ISO 3071:2006 / ISO 3071: 2005					
SAMPLE	RESULTS		REQUIREMENTS		
Phoenix Gloves	pH of Aqueous Extract		3.5<pH<905		
	Sample	Mean			
	Black Knitted Fabric (Back)	6.0			
	Red Fabric (Back)	6.7			
	Grey Knitted Fabric (Finger Grip)	6.1			
	Black Loop (Velcro)	6.0			
	Black Hook (Velcro)	5.9			
	Black Fabric (Cuff Binding)	6.1			
	Temperature of Solution:	22.7°C			

8022 ^DETECTION OF AMINES DERIVED FROM AZOCOLOURANTS AND AZODYES BS EN 14362-1: 2012							
Phoenix Gloves:- 1) Black Knitted Fabric (Back), 2) Red Fabric (Back), 3) Grey Knitted Fabric (Finger Grip), 4) Black Loop (Velcro), 5) Black Hook (Velcro), 6) Black Fabric (Cuff Binding)							
By Gas Chromatographic – Mass Spectrometric (GC-MS) and High Performance Chromatographic (HPLC) analysis							
<b>METHOD</b>				Textile Method			
<b>REQUIREMENTS</b>				<30 mg/kg			
Banned Amine In Azo Dyes	CAS Number	Result					
		Samples					
		1	2	3	4	5	6
4-Aminodiphenyl	92-67-1	ND	ND	ND	ND	ND	ND
Benzidine	92-87-5	ND	ND	<b>292</b>	ND	ND	ND
4-Chloro-O-Toluidine	95-69-2	ND	ND	ND	ND	ND	ND
2-Naphthylamine	91-59-8	ND	ND	ND	ND	ND	ND
*o-Aminoazotoluene	97-56-3	ND	ND	ND	ND	ND	ND
*2-Amino-4-nitrotoluene	99-55-8	ND	ND	ND	ND	ND	ND
p-Chloroaniline	106-47-8	ND	ND	ND	ND	ND	ND
2,4-Diamino-Anisole	615-05-4	ND	ND	ND	ND	ND	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	ND	ND	ND	ND
3,3'-Dimethylbenzidine	119-93-7	ND	ND	ND	ND	ND	ND
4,4'diamino-3,3'-dimethylphenyl methane	838-88-0	ND	ND	ND	ND	ND	ND
p-Cresidine	120-71-8	ND	ND	ND	ND	ND	ND
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	ND	ND	ND	ND	ND	ND
4,4'-Oxydianiline	101-80-4	ND	ND	ND	ND	ND	ND
4,4'-Thiodianiline	139-65-1	ND	ND	ND	ND	ND	ND
o-Toluidine	95-53-4	ND	ND	ND	ND	ND	ND
2,4-toluylenediamine	95-80-7	ND	ND	ND	ND	ND	ND
2,4,5-Trimethyl aniline	137-17-7	ND	ND	ND	ND	ND	ND
o-Anisidine	90-04-0	ND	ND	ND	ND	ND	ND
**P-aminoazobenzene	60-09-3	ND	ND	ND	ND	ND	ND
<p><b>Note:</b></p> <p>Detection limit: 5 mg/kg            ND: Not Detected            The allowed limit specified &lt;30 mg/kg</p> <p>** EN 14362-3:2012 / ISO 17234-2: 2011 = P-Aminoazobenzene Method</p> <p>REACH Regulation (EC) NO. 1907/2006 Annex XVII Item 43 and its Amendment No. 552/2009 and 126/2013            (Formerly Known As Directive 2002/61/EC)</p>							

9493 ^DETERMINATION OF pH in LEATHER BS EN ISO 4045: 2008		
SAMPLE	RESULTS	REQUIREMENTS
Phoenix Gloves – Black Leather (Palm & Finger)	<b>pH</b>	
	Mean:	3.90
	Temperature of Solution:	22.7°C
3.5<pH<9.5		
9494 ^DETERMINATION OF CHROMIUM (VI) CONTENT BS EN ISO 17075: 2007 by UV-VIS Spectrophotometer		
SAMPLE	Results	REQUIREMENT
Phoenix Gloves – Black Leather (Palm & Finger)	Not Detected	<3 mg/kg
^AZO DYES BS EN ISO 17234-1: 2015		
Phoenix Gloves – Black Leather (Palm & Finger)		
Determination of Certain aromatic Amines derived from azo colourants follows by GC-MS Analysis		
REQUIREMENTS	<30 mg/kg	
Banned Amine In Azo Dyes	CAS Number	Result
4-Aminodiphenyl	92-67-1	ND
Benzidine	92-87-5	ND
4-Chloro-O-Toluidine	95-69-2	ND
2-Naphthylamine	91-59-8	ND
*o-Aminoazotoluene	97-56-3	ND
*2-Amino-4-nitrotoluene	99-55-8	ND
p-Chloroaniline	106-47-8	ND
2,4-Diamino-Anisole	615-05-4	ND
4,4'-Diaminodiphenylmethane	101-77-9	ND
3,3'-Dichlorobenzidine	91-94-1	ND
3,3'-Dimethoxybenzidine	119-90-4	ND
3,3'-Dimethylbenzidine	119-93-7	ND
4,4'diamino-3,3'-dimethylphenyl methane	838-88-0	ND
p-Cresidine	120-71-8	ND
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	ND
4,4'-Oxydianiline	101-80-4	ND
4,4'-Thiodianiline	139-65-1	ND
o-Toluidine	95-53-4	ND
2,4-toluylenediamine	95-80-7	ND
2,4,5-Trimethyl aniline	137-17-7	ND
o-Anisidine	90-04-0	ND
**P-aminoazobenzene	60-09-3	ND
<b>Note:</b>  Detection limit: 5 mg/kg ND: Not Detected The allowed limit specified <30 mg/kg  ** EN 14362-3:2012 / ISO 17234-2: 2011 = P-Aminoazobenzene Method  REACH Regulation (EC) NO. 1907/2006 Annex XVII Item 43 and its Amendment No. 552/2009 and 126/2013 (Formerly Known As Directive 2002/61/EC)		



### End of Report

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