TEST REPORT

REPORT NUMBER: 07328-20
RECEIVING DATE: Apr. 27 , 2020
ISSUE DATE: Apr .29 , 2020

Applicant	:	American Safety Power Tool Pvt Ltd.
Contact person	:	Mr. Sohail Rana
Address	:	Plot 1 and 2, 12 and 13, E-Phase-IV Karachi Export Processing Zone, Pakistan.
Contact details	:	Tel: 0324-2908031 Fax: / Email: /

Manufacturer	:	American Safety Power Tool Pvt Ltd.
Buyer	:	SMT Trading Dammam KSA.
Buying Agent:	:	Qadri & Qureshi LLC.
Label	:	/
Fabric	:	/
Fabric Weight	:	/
Content	:	/
Construction	:	/
Color	:	Blue
Style No	:	/
Program	:	/
Item No	:	/
Design	:	/
Vendor Ref	:	/
Country of Origin	:	/
Sample Description	:	Gown (Covid PPEs)
End Use	:	/
Test Standard	:	EN ISO 13688: 2013

Signed on the behalf of:
Textile Testing International

Ali Ashraf
General Manager Operations

Textile Testing International | 347-S, Quaid-e- Azam Industrial Estate, Kot Lakhpat, Lahore-54770, Pakistan.
Tel:(92-42) 111 786 001, Fax:(92-42) 3515 4555, URL: www.ttilabs.net

REPORT NUMBER: 07328-20

Conclusion:

Sr.#	TEST CONDUCTED	PASS	FAIL	Remarks
1.	Tensile properties of fabrics (Stripe Method)	-	-	See Results
2.	Seam tensile properties of fabrics and made-up textile articles (Grab Method)	-	-	See Results
3.	Tear properties-determination of tear force of trouser-shaped (Single tear method)	-	-	See Results
4.	pH of aqueous extract of fabrics	**X**		
5.	Ergonomic requirement	**X**		
6.	Size & Designation	-	-	See Results
7.	Detection and determination of certain listed aromatic amines derived from azo colorants	**X**		

Textile Testing International | 347-S, Quaid-e- Azam Industrial Estate, Kot Lakhpat, Lahore-54770, Pakistan. Tel:(92-42) 111 786 001, Fax:(92-42) 3515 4555, URL: www.ttilabs.net

TEST REPORT

REPORT NUMBER: 07328-20

Test Results:

1. Tensile properties of fabrics (Stripe Method):

(ISO 13934-1)

		Strength	Elongation	Requirement
Direction 1	:	64.1 N	87.21 %	/
Direction 2	:	90.7 N	109.6 %	

2. Seam tensile properties of fabrics and made-up textile articles (Grab Method):

(BS EN ISO 13935-2)

		Result	Remarks	
Shoulder seam	:	63.24 N	Sewing thread break	/
Sleeve seam	:	92.36 N	Fabric Ruptured	
Arm hole	:	80.83 N	Fabric Ruptured	

3. Tear properties-determination of tear force of trouser-shaped (Single tear method):

(ISO 13937-2)

		Result	
Direction 1	:	15.0 N	/
Direction 2	:	22.0 N	

4. pH of aqueous extract of fabrics:

(ISO 3071)

Temperature: 24°C, pH of Deionized Water:5.10

		Result	
pH Value	:	6.83	3.5 - 9.5

5. Ergonomic requirement:

(EN 13688) Annex C

Remarks:

The Ergonomic verification has been performed by physical dimension commensurate with the size found.

According to the inspection of the garment, this fulfills in ergonomics requirement.

Textile Testing International | 347-S, Quaid-e- Azam Industrial Estate, Kot Lakhpat, Lahore-54770, Pakistan. Tel:(92-42) 111 786 001, Fax:(92-42) 3515 4555, URL: www.ttilabs.net

6. Size & Designation:
(EN 13688) Annex D

		Result
Bust girth	:	73 cm
Arm height	:	66 cm
Back height	:	125 cm

/

7. Detection and determination of certain listed aromatic amines derived from azo colorants:

BS EN 14362-1 : 2017
Analysis was conducted with GC-MS and confirmed with HPLC-DAD
Determination of 4-aminoazobenzene (CAS No.:60-09-3) – BS EN 14362-3:2017
Component Tested: Body Fabric

Amine	CAS NO	Results	Requirement
4-Aminobiphenyl	92-67-1	n.d.	Not Detected
Benzidine	92-87-5	n.d.	
4-Chlor-o-toluidine	95-69-2	n.d.	
2-Naphthylamine	91-59-8	n.d.	
o-Aminoazotoluene	97-56-3	n.d.	
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	n.d.	
4-Chloroaniline	106-47-8	n.d.	
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	n.d.	
4,4'-Diaminodiphenylmethane	101-77-9	n.d.	
3,3'-Dichlorobenzidine	91-94-1	n.d.	
3,3'-Dimethoxybenzidine	119-90-4	n.d.	
3,3'-Dimethybenzidine	119-93-7	n.d.	
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	n.d.	
p-Cresidine	120-71-8	n.d.	
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	n.d.	
4,4'-Oxydianiline	101-80-4	n.d.	
4,4'-Thiodianiline	139-65-1	n.d.	
o-Toluidine	95-53-4	n.d.	
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	n.d.	
2,4,5-Trimethylaniline	137-17-7	n.d.	
4-aminoazobenzene	60-09-3	n.d.	
O-Anisidine	90-04-0	n.d.	
2,6-Xylidine	87-62-7	n.d.	
2,4-Xylidine	95-68-1	n.d.	

Textile Testing International | 347-S, Quaid-e- Azam Industrial Estate, Kot Lakhpat, Lahore-54770, Pakistan.
Tel:(92-42) 111 786 001, Fax:(92-42) 3515 4555, URL: www.ttilabs.net

REPORT NUMBER: 07328-20

Note:

n.d. = not detected
mg/kg = ppm
Detection Limit = 5 mg/kg (for individual compound)

Image of submitted sample

-------END OF REPORT------

Textile Testing International | 347-S, Quaid-e- Azam Industrial Estate, Kot Lakhpat, Lahore-54770, Pakistan.
Tel:(92-42) 111 786 001, Fax:(92-42) 3515 4555, URL: www.ttilabs.net