

**TEST REPORT**

**REPORT NUMBER:** 07319-20  
**RECEIVING DATE:** Apr. 27, 2020  
**ISSUE DATE:** Apr. 28, 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: /

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**Manufacturer** : American Safety Power Tool Pvt Ltd.  
**Buyer** : SMT Trading Dammam KSA.  
**Buying Agent:** : Qadri & Qureshi LLC.  
**Label** : /  
**Fabric** : /  
**Fabric Weight** : /  
**Content** : Polypropylene  
**Construction** : /  
**Color** : /  
**Style No** : /  
**Program** : /  
**Item No** : /  
**Design** : /  
**Vendor Ref** : /  
**Country of Origin** : Pakistan  
**Sample Description** : Coverall  
**End Use** : /

Signed on the behalf of:  
Textile Testing International

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**Ali Ashraf**  
General Manager Operations

The test results pertain to the sample (s) provided by the customer. Terms and conditions printed overleaf. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues defined therein. This test report may not be reproduced, except in full, without written approval of Textile Testing International.

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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 Results:

### 1. Determination of odours:

(SASO GSO 1957)

| <u>Component Tested</u> | <u>Intensity</u> | <u>Results</u> |
|-------------------------|------------------|----------------|
| Body Fabric             | : No odour       | Pass           |

| Grade | Intensity         | Conclusion     |
|-------|-------------------|----------------|
| 1     | No Odour          | Pass           |
| 2     | Weak Odour        | Pass           |
| 3     | Tolerable Odour   | Unsatisfactory |
| 4     | Annoying Odour    | Unsatisfactory |
| 5     | Intolerable Odour | Unsatisfactory |

### 2. pH of an aqueous extract of fabric:

(SASO ISO 3071)

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

|          | <u>Result</u> |
|----------|---------------|
| pH Value | : 6.69        |

### 3. Fiber identification & Quantification:

(SASO ISO 1833)

|               | <u>Result</u> |
|---------------|---------------|
| Polypropylene | : 100 %       |

### 4. Formaldehyde (Free & Hydrolyzed Method):

(SASO ISO 14184-1)

|              | <u>Result</u> |
|--------------|---------------|
| Formaldehyde | : ND          |

Remarks:- Lower limit is 16ppm. Below this limit; the result is reported as "Not Detectable."

Note:

Method detection limit: 16 mg/kg

Mg/kg: milligram per kilogram

ND: Not Detected



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**5. Color fastness to water:**

(SASO ISO 105 E01)

Remarks : N/A

N/A: Not Applicable due to undyed.

**6. Color fastness to saliva & perspiration:**

(SASO GSO 1957)

|           | <u>Test Solution 1</u> | <u>Test Solution 2</u> |
|-----------|------------------------|------------------------|
| Remarks : | N/A                    | N/A                    |

N/A: Not Applicable due to undyed.

**7. Colorfastness to perspiration:**

(SASO ISO 105 E04)

|                | <u>Acidic</u> | <u>Alkaline</u> |
|----------------|---------------|-----------------|
| Color Change : | 4-5           | 4-5             |

**8. Volatile organic compound VOC:**

Analysis by GC-MS

Remarks : N/A

N/A: Not Applicable due to undyed.

**9. Heavy Metals –Extractable:**

(SASO GSO 1957)

|                      | <u>MDL</u><br><u>(mg/kg)</u> | <u>Results</u><br><u>(mg/kg)</u> |
|----------------------|------------------------------|----------------------------------|
| Antimony (Sb) :      | 30.0                         | ND                               |
| Arsenic (As) :       | 0.2                          | ND                               |
| Cadmium (Cd) :       | 0.1                          | ND                               |
| Chromium (Cr) :      | 1.0                          | ND                               |
| Chromium VI (CrVI) : | 0.5                          | ND                               |
| Cobalt (Co) :        | 1.0                          | ND                               |
| Copper (Cu) :        | 25.0                         | ND                               |
| Lead (Pb) :          | 0.2                          | ND                               |
| Mercury (Hg) :       | 0.02                         | ND                               |
| Nickel (Ni) :        | 1.0                          | ND                               |

MDL: Method Detection Limit

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**10. Determination of phthalates:**

(EN ISO 14389)

Remarks N/A

N/A: Not Applicable due to No Plasticizer used.

**11. Organic tins Compounds:**

(SASO GSO 1957)

Remarks N/A

N/A: Not Applicable due to undyed.

**12. Carcinogenic Dyes:**

(DIN 54231)

Remarks N/A

N/A: Not Applicable due to undyed.

**13. Allergenic Dyes:**

(DIN 54231)

Remarks N/A

N/A: Not Applicable due to undyed.

**14. Azy dyes (Cleavable arylamines):**

(SASO ISO 14362-1)

Remarks N/A

N/A: Not Applicable due to undyed.

**15. Flame Retardant:**

(SASO ISO 17881-1/2)

Remarks N/A

N/A: Not Applicable due to No FR Finish Applied.

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**16. Color fastness to rubbing:**

(SASO ISO 105X12)

|                   | <u>Length Wise</u> | <u>Width Wise</u> |
|-------------------|--------------------|-------------------|
| Dry (Color Stain) | N/A                | N/A               |
| Wet (Color Stain) | N/A                | N/A               |

N/A: Not Applicable due to undyed.

**17. Pesticides**

Remarks N/A

N/A: Not Applicable due to undyed.

**18. Determination of chlorinated Phenols & OPP:**

(SASO GSO 1957)

| Test Item | Limit | Results (mg/kg or %) | Rating |
|-----------|-------|----------------------|--------|
|           |       | RSL                  |        |

Σ Pentachlorophenols (PCP), Tetrachlorophenol (TeCP) & Trichlorophenol (TriCP)  
 Method: Extraction KOH , followed ISO 17070 & GC/MS Analysis  
 Results reported in mg/kg (milligram per kilogram), ND = Not Detected (Laboratory Reporting Limit = 0.05mg/kg)

|             |                            |    |      |
|-------------|----------------------------|----|------|
| Body Fabric | Infant: 0.05<br>Adult: 0.5 | ND | Pass |
|-------------|----------------------------|----|------|

o-Phenylphenol (o-PP)  
 Method: Extraction KOH , followed ISO 17070 & GC/MS Analysis  
 Results reported in mg/kg (milligram per kilogram), ND = Not Detected (Laboratory Reporting Limit = 0.05mg/kg)

|             |      |    |      |
|-------------|------|----|------|
| Body Fabric | 1000 | ND | Pass |
|-------------|------|----|------|

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**Image of submitted sample**



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

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