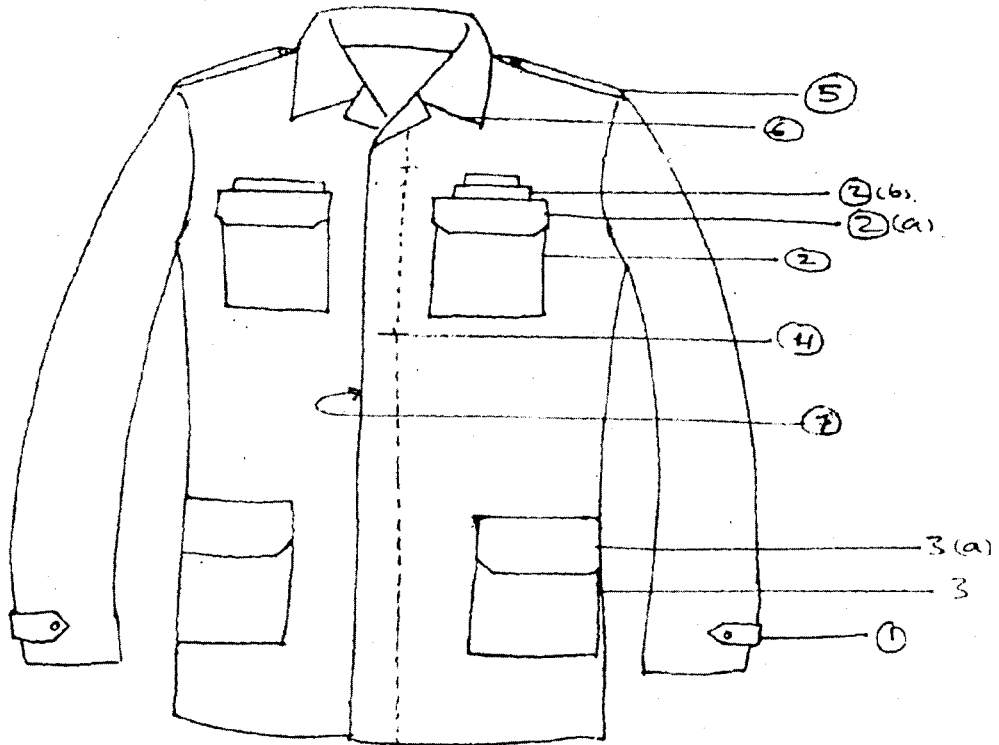


**DESIGN SPECIFICATION**  
**CONVERTABLE SHIRT COLLAR JACKET**

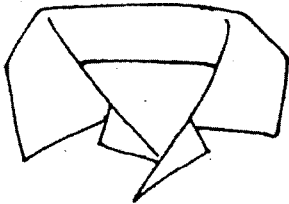


- |                         |                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>1. SLEEVE COOP</b>   | - 1½ inch above the sleeve hem.<br>3 X 1¼ inch (l x b)                                                                  |
| <b>2.FRONT POCKET</b>   | - 8½ inch below shoulder neckline intersection.<br>5 ½ x 4¾ inch (l x b)                                                |
| <b>2 (a) FLAP</b>       | - 2 ¼ x 4 ¾ inch (l x b)                                                                                                |
| <b>(b) Velcrow</b>      | - As per desire                                                                                                         |
| <b>3. LOWER POCKET</b>  | - 7 ¼ x 6 ¼ Inch (l x b). 20½ inch below shoulder<br>Neckline intersection with 3¾ inch away from<br>Center front (C.F) |
| <b>3 (a) FLAP</b>       | - 2 ½ x 6 ¼ inch (l x b)                                                                                                |
| <b>4. PLACKET</b>       | - 1 ½ Inch                                                                                                              |
| <b>5.EPULLIATE</b>      | - As per desire                                                                                                         |
| <b>6. COLLAR WIDTH</b>  | - 3 ½ Inch                                                                                                              |
| <b>7. CONCEALED ZIP</b> | - 4 ¼ Inch below neck pit to Hem of the Jacket                                                                          |

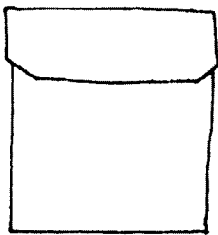
**\* GRADING AND SIZING AS PER MEASUREMENT**

**::2::**

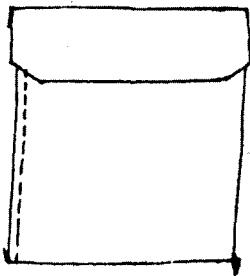
**1. CONVERTABLE SHIRT COLLAR**



**2. FRONT POCKET**

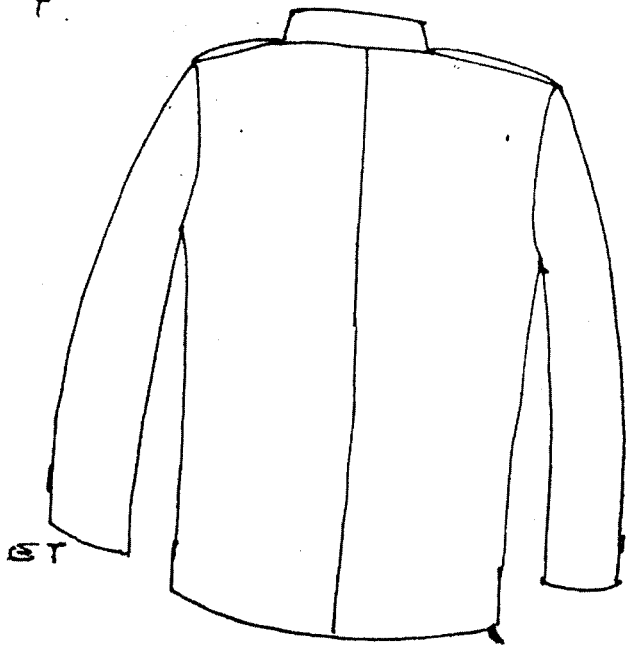


**3. LOWER POCKET**



**PATCH POCKET ALONG WITH  
CROSS POCKET**

**::3::**



**BACK**

**(Linked to Ministry of Textiles, Government of India)**

Sector-23, Rajnagar, Ghaziabad-201 002, India; Fax : 0120-2783596 E-mail: nitra@nd  
 Phone : 0120-2786434/451, 2783334/586/592/638/090/094/095, Website: www.nitra

**TEST REPORT**

(  Chemical  ECO  Environmental  Physical  Polymer & Technica

Kind Attn. : Mr Mayank Upadhyay Directorate General Border Security Force (Provisioning Directorate CTS Section) Block No-10, CGO Complex Lodhi Road, New Delhi -03	NABL/R-03A
	Report No.: 641
	Customer's Ref.: Letter No. 2/366/07-P/BSF Officer/898 dated Nil
	Despatch Ref : NITRA/PQE/08-09/ Date : 11.04.08

Sample Description : 01 sample of fabric [ described by Customer as "Fabric for Jacket "]

As per IS : 2150

Date of sample receiving : 11.03.08

Date of results reporting :

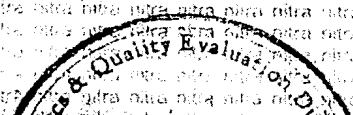
Sl. No	Test Parameter	Test Method	Test Results																								
10	Colour definition XYZ & LCH value	CCM* Munsell-3100 CMOP: Observer-10 Deg Illumination-D65	<table border="1"> <tr> <th>Values</th> <th>Test Result</th> <th>Spe</th> </tr> <tr> <td>Z</td> <td>9.337</td> <td></td> </tr> <tr> <td>L</td> <td>9.397</td> <td></td> </tr> <tr> <td>a</td> <td>6.215</td> <td></td> </tr> <tr> <td>b</td> <td>36.738</td> <td></td> </tr> <tr> <td>14:031</td> <td></td> <td></td> </tr> <tr> <td>75:090</td> <td></td> <td></td> </tr> <tr> <td>ΔE</td> <td></td> <td></td> </tr> </table>	Values	Test Result	Spe	Z	9.337		L	9.397		a	6.215		b	36.738		14:031			75:090			ΔE		
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ΔE																											

Any observation/Comments : \* Specification are designed on the basis of IS : 2150 and as per test sample supplied by customer  
 \*\* Computer colour matching

**Officer In-charge HOD**

**Officer In-charge**

**End-of-Report**



# NORTHERN INDIA TEXTILE RESEARCH ASSO

(Linked to Ministry of Textiles, Government of India)

Sector-23, Rajnagar, Ghaziabad-201 002, India; Fax : 0120-2783596 E-mail: nitra@

Phone : 0120-2786434/451, 2783334/586/592/638/090/094/095, Website: www.nit

## TEST REPORT

Chemical  
  ECO  
  Environmental  
  Physical  
  Polymer & Techni

Kind Attn. : Mr Mayank Upadhyay Directorate General Border Security Force (Provisioning Directorate CTS Section) Block No. 10, CGO Complex Lodhi Road, New Delhi -03	NABL/R-03A Report No.: 641 / (PQE : 990) Customer's Ref. : Letter No. 2/366/07-P/B Officer/898 dated Nil Despatch Ref : NITRA/PQE/08-09/ Date : 11.04.08 <span style="float: right;">21</span>
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Sample Description : 01 sample of fabric [ described by Customer as "Fabric for Jacket"  
 As per IS : 2150.

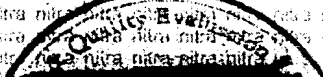
Date of sample receiving: 11.03.08 Date of results reporting :

Sl. No	Test Parameter	Test Method	Unit	Test Results
1.	Thread \ Dm Warp Weft	IS : 1963	Nos	152 139
2.	Width (including Selvedge)	IS : 1954	Cms	149.3
3.	Mass. GSM	IS : 1964	gms	259.5
4.	Breaking Strength (5 x 20 cms strip) Warp Weft	IS : 1969	N	893.3 870.8
5.	Tear Strength Warp Weft	IS : 6489	Gms	8704 8478
6.	Pilling Resistance (After 18000 revolutions)	IS : 10971	Grade	4 1/2
7.	Crease Recovery angle Initially After 03 wash	IS : 4681	Degree	294° 282°

Any observation/ Comments : \*Specification are designed on the basis of IS : 2150 and as per to sample supplied by customer

**Officer In-charge / HOD**

**Officer In-charge**



# NORTHERN INDIA TEXTILE RESEARCH ASSOC

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Phone : 0120-2786434/451, 2783334/586/592/638/090/094/095, Website: www.nitra

## TEST REPORT

(  Chemical  ECO  Environmental  Physical  Polymer & Technica

Kind Attn: Mr Mayank Upadhyay Directorate General Border Security Force (Providing Directorate CTS Section) Block No. 10, CGO Complex Lodhi Road, New Delhi-110033	NABL/R-03A Report No. 641 Customer's Ref: Letter No. 2/366/07-P/BSP Officer/898 dated Nitra Despatch Ref: NITRA/PQE/08-09/ Date: 11.04.08
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Sample Description : 01 sample of fabric [ described by Customer as "Fabric for Jacket "].  
 As per IS : 2150

Date of sample receiving: 11.03.08

Date of results reporting : 11.04.08

Sl. No	Test Parameter	Test Method	Unit	Test Results	Sp
1	Blend Composition Polyester Wool	IS : 2006 (Clean Dry Mass Basis)	%	66.26 33.74	
2	Colour Fastness to Drycleaning Change in Colour Staining of the solvent	IS : 4802	Grade	4-5	
3	Colour Fastness to Light	IS : 2454	Grade	3	
4	Colour Fastness to Washing Change in Colour Staining on Wool Staining on Polyester Staining on Cotton	IS : 764	Grade	4-5 4-5 4-5 4-5	
5	Colour Fastness to Perspiration Change in Colour Staining on Wool Staining on Polyester Staining on Cotton	IS : 971	Grade	4-5 4-5 4-5 4-5	
6	Colour Fastness to Rubbing Dry Wet	IS : 766	Grade	4-5 4-5	
7	Colour Fastness to Hot Pressing Change in Colour Staining on Cotton	IS : 689	Grade	4	
8	Flammability Flame Spread Time	IS : 1871 Method B	Sec	4-5	
9	Dimensional Change after Washing Warp Weft	IS : 299	%	0 0 2.80 2.20	

Any observation/Comments: \*Specification are designed on the basis of IS : 2150 and as per te sample supplied by customer