

# INTERTEK TEST REPORT

3933 US ROUTE 11

CORTLAND, NEW YORK 13045

Order No. G102853871

Page 1 of 3

Date Issued: February 7, 2017

REPORT NO.: 102853871CRT-002

RENDERED TO:

ERGODYNE  
ST. PAUL, MN 55108



**STANDARDS USED:**

ASTM F2992 *Standard Test Method for Measuring Cut Resistance of Materials Used in Protective Clothing with Tomodynamometer (TDM-100) Test equipment; 2015 Edition*

**AUTHORIZATION:**

The tests were authorized by Quote Number Qu-00756655, signed by Andy Olson.

**SPECIMEN DESCRIPTION:**

The tests were performed on specimens identified by the client as: Glove Model 925CR6. The samples previously described were evaluated on 02/07/2017. The testing was performed at Intertek located in Lancashire, United Kingdom.

**CONCLUSION:**

The samples submitted by Ergodyne were evaluated in accordance ASTM F2992 *Standard Test Method for Measuring Cut Resistance of Materials Used in Protective Clothing with Tomodynamometer (TDM-100) Test equipment; 2015 Edition*. Test data sheets are attached as an appendix (6 pages following).

Project Owner:



Jennifer Denniston  
Project Coordinator  
Performance Group

Report Approved by:



Rob Simmonds  
Engineer  
Performance Group

**APPENDIX  
ASTM F2992-2015  
BLADE CUT RESISTANCE**

0991 CUT RESISTANCE ASTM F2992 / F2992M 2015		
SAMPLE	Results	ANSI / ISEA 105 2016 CUT LEVEL
Model 925CR6	Sharpness Correction	0.84
	Reference Distance	20.00 mm
	Rating Force	3072.05 gf
	95% Confidence Interval	5221.34 gf
	Standard Deviation	1167.09 gf
	R-Squared	0.07
	Correction Factor	4.44
		A6

**Blade Supplier:** AccuTEC Blades  
**Lot Number:** 384397-2016  
**Blade Validation:** Passed  
**Instrument Manufacturer:** SATRA Technologies  
**Instrument Model Number:** STM 610 Cut Resistance Evaluator  
Detailed Results

Samples were conditioned and tested in an atmosphere of 23 ± 2°C and 50 ± 5% RH, and prepared at an angle of 45° to the machine direction of the material.

Blade Sharpness Correction Cut Distance Before = 23.40 mm  
 Blade Sharpness Correction Cut Distance After = 24.10 mm

**Initial test Sequence**

	Actual Force (gf)	Stroke Length (mm)	Normalised SL (mm)
1	4202.25	12.3	10.36
2	3150.92	28.0	23.58
3	3456.84	10.1	8.51
4	3094.84	33.2	27.96
5	2972.47	7.7	6.48
6	3094.84	15.7	13.22
7	3150.92	23.4	19.71
8	3150.92	44.5	37.47
9	3150.92	11.0	9.26
10	3150.92	33.8	28.46
11	3456.84	22.1	18.61
12	3273.29	37.6	31.66
13	3273.29	34.1	28.72
14	2972.47	30.1	25.35
15	2972.47	28.4	23.92

**Regression Analysis – Corrected Stroke Length vs. Force**

