Report # K-814101-	1701P07-R00	Test Report Kinectrics Inc., 800 Kipling Avenue, Unit 2
Samples Received: Dec-20-16	Samples Tested: Jan-17-17	Tel: 416-207-6000, www.kinectrics.com
Tested forArcWear3018 Eastpoint PaLouisville, KY 402502-333-0510Test item descriptCia de Fiação e TeStyle Jupiter FR , 788% FR Cotton 12AAD 8.1 oz/yd² 27ArcWear# 1701P07	rkway 23 t <mark>ion</mark> cidos Cedro Cachoeira, .7 oz/yd² 260 g/m² 3x1 Twi % Polyamide, Grey, 4 g/m², 7	Contact information for item tested: Cia de Fiação e Tecidos Cedro Cachoeira Rua Policena Mascarenhas 680 Sete Lagoas, Minas Gerais, 35700-184 Brazil + 55 31 3773 5500
Reference Standa IEC 61482-1-1:200 Complying with bo Test Parameters:	ard 09 Method A, ASTM F195 th IEC and ASTM Standard Test current: 8 kA Arc Gap: 30 cm	59/F1959M-14 I Test Method for Determining the Arc Rating of Materials for Clothing Number of samples analysed: 21
Dis	tance to Fabric: 30 cm	Incident Energy Range: 7 to 15 cal/cm ²
Sam	No ples tested as received, pr	variations to standard method noted. e-test laundering as required by standard was arranged by client.
Test Summary The Arc Rating of this result is applicable or articles are tested as obtained and analyse samples and video of The arc testing perfor requirements of CAN- recognized througho	r material is intended for use as p ly to the test item as described; received; no test is done to valid d in accordance with the latest v every test are provided in digital med to the above mentioned Sta -P-4E (ISO/IEC 17025:2005). Ac ut the world.	bart of a flame resistant garment or system for workers exposed to electric arcs. The test other fiber blends, weaves, finishing or dye may have different protection level. The test ate the fiber content or composition. The Arc Rating was calculated based on the data ersion of the applicable standards. The individual test sheets, graphs, photographs of the format to the Client for review. Indard is accredited by the Standards Council of Canada (SCC) to conform to the creditation by the Standards Council of Canada (SCC) is a mark of competence and reliability
Kinectrics Inc takes ro Manual, and that all r OR REPRESENTATIO PARTICULAR PURPO PERFORMED BY KIN resulting from the use	easonable steps to ensure that a eports shall be reasonably free o ON WHATSOEVER, EXPRESS O OSE OF ANY INFORMATION CO VECTRICS INC. Kinectrics Inc. o of this report.	II work performed shall meet the industry standards as set out in Kinectrics Inc.'s Quality f errors, inaccuracies or omissions. KINECTRICS INC. DOES NOT MAKE ANY WARRANTY R IMPLIED, WITH RESPECT TO THE MERCHANTABILITY OR FITNESS FOR ANY NTAINED IN THIS REPORT OR THE RESPECTIVE WORKS OR SERVICES SUPPLIED OR does not accept any liability for any damages, either directly, consequentially or otherwise
Note: The test perfor ©Kinectrics. Partial re	med does not apply to electrical production of this report is strictly	contact or electrical shock hazard. y prohibited without the express written consent of Kinectrics Inc.
Prepared by:		Approved by:
Andrew Haines HCL Technologist Ph: 416-207-6000 Note: For verific;	ation about results in this report.	Kenneth Cheng, M.Eng., P.Eng., MBA Senior Engineer Kinectrics Inc. please forward copy of the report or inquiry to hcl@kinectrics.com



Date Jan-	e: -17-17		Summary of Measured Energy and Observations											
Repo K-8	ort # 14101-1701P0	7-R00	R00											
	FabricCia de Fiação e Tecidos Cedro Cachoeira,Description:Style Jupiter FR, 7.7 oz/yd² 260 g/m² 3x1 Twill, 88% FR Cotton 12% Polyamide, Grey, AAD 8.1 oz/yd² 274 g/m², ArcWear# 1701P07													
	Test #	Panel	Test Current A	Cycles of 60Hz	Ei Cal/cm²	SCD Cal/cm ²	HAF %	>Stoll Y/N	Break Open Y/N	Ablation Y/N	After Flame sec.	Omit Y/N	Comment	
1	K-814101-122	A	8313	10.2	7.6	-0.3	77.0	No	-	·	-	No		
2	K-814101-122	В	8313	10.2	8.7	-0.3	81.0	No	-	-	-	No		
3	K-814101-122	С	8313	10.2	10.2	-0.1	81.6	No	-	-	-	No		
4	K-814101-123	Α	8263	11.2	9.1	-0.1	78.8	No	-	-	-	No		
5	K-814101-123	В	8263	11.2	10.2	-0.3	82.9	No	-	-	-	No		
6	K-814101-123	C	8263	11.2	10.5	0.2	79.0	Yes	-	-	-	No		
7	K-814101-124	A	8266	12.2	9.4	0.0	78.2	Yes	-	-	-	No		
8	K-814101-124	В	8266	12.2	10.7	-0.2	82.4	No	-	-	-	No		
9	K-814101-124	C	8266	12.2	10.7	-0.1	80.9	No	-	•	-	No		
10	K-814101-125	A	8245	13.2	10.9	-0.1	81.5	No	-	•	-	No		
11	K-814101-125	В	8245	13.2	11.4	-0.3	82.7	No	-	•	-	No		
12	K-814101-125	C	8245	13.2	12.8	0.0	83.0	Yes	-	•	-	No		!
13	K-814101-126	A	8233	15.2	11.0	0.7	72.7	Yes	-	•	-	NO		
14	K-814101-126	в	8233	15.2	12.4	1.6	70.7	res	-	•	-	NO		
15	K-814101-126		8233	15.2	15.0	1.4	/6./	res	-	•	-	NO		
10	K-014101-127	A	0210	14.2	10.3	-0.2	00.9 70.9	NO	-		•	NO		!
18	K-814101-127	°	8218	14.2	11.6	-0.1	81.2	No	-			No		
19	K-814101-128	A	8313	9.2	7.4	-0.4	79.3	No	-	· ·	-	No		
20	K-814101-128	B	8313	9.2	8.8	-0.3	81.1	No	-		-	No		
21	K-814101-128	c	8313	9.2	8.0	-0.3	80.1	No	-		-	No		
22		-												
23														
24														
25														
26														
27														
28														
29														
30														
31														[
32														
33														
34														
35						<u> </u>								
36														!
3/														
No	evidence of a	fterflam	ne or bre	eakopen	in samp	les test	ed.							
														1