

APPLICANT: MECHANIX WEAR LLC (C41729)

2. Sample(s) description assigned by laboratory:

<u>Size</u>	<u>Analyzed product</u>	<u>Description</u>	<u>Sample information</u>
	14 PAIRS OF GLOVES	Palm (w/palm lining), Material:1st layer: Goatskin, Thickness: 0.8mm, 2nd layer: Kevlar/Polyester/Cotton, 3rd layer: Polyester (w/UHMWPE/Aramid/Metal mesh lining)	Black(Yellow/Black Lining)



H210701362



H210701362A



H210701362B

3. 14 PAIRS OF GLOVES/

Palm (w/palm lining), Material:1st layer: Goatskin, Thickness: 0.8mm, 2nd layer: Kevlar/Polyester/Cotton, 3rd layer: Polyester (w/UHMWPE/Aramid/Metal mesh lining) : Black(Yellow/Black Lining)

	Method	Client Requirement	Unit	Result	Conformity
<ul style="list-style-type: none"> ● Protective clothing material resistance to hypodermic needle puncture <p><i>*Level with reference to ANSI/ISEA 105 - Table 3</i></p>	CTC in house				
Tested material					
Thickness			mm	2.56	
Thickness (2)			mm	2.47	
Thickness (3)			mm	2.43	
Thickness (4)			mm	2.45	
Thickness (5)			mm	2.40	
Thickness (6)			mm	2.60	
Thickness (7)			mm	2.49	
Thickness (8)			mm	2.57	
Thickness (9)			mm	2.52	
Thickness (10)			mm	2.58	
Thickness (11)			mm	2.55	
Thickness (12)			mm	2.40	
Average thickness			mm	2.50	
Used gauge				25 G – 25.4 mm	
Manufacturer				BD Microlance 3	
Batch number					
Maximum puncture force			N	3.68	
Maximum puncture force (2)			N	3.82	
Maximum puncture force (3)			N	4.96	
Maximum puncture force (4)			N	5.08	
Maximum puncture force (5)			N	4.57	
Maximum puncture force (6)			N	5.96	
Maximum puncture force (7)			N	6.43	
Maximum puncture force (8)			N	4.67	
Maximum puncture force (9)			N	5.70	
Maximum puncture force (10)			N	5.06	

23 July 2021

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	Method	Client Requirement	Unit	Result	Conformity
Maximum puncture force (11)			N	4.85	
Maximum puncture force (12)			N	5.75	
Average maximum force			N	5.04	
Maximum force – Standard deviation				0.82	
Level				2	

Classification for Hypodermic Needle Puncture Resistance

Level	Puncture (Newtons)
0	<2
1	≥2
2	≥4
3	≥6
4	≥8
5	≥10

END OF TEST REPORT

- : The test was carried out by external accredited laboratory, not within their accreditation scope.