



THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION

CENTRE OF EXCELLENCE FOR MEDICAL TEXTILES

Mechanical, Chemical & Biological Testing Laboratories

ISO/IEC 17025 NABL ACCREDITED VIDE CERTIFICATE NO. TC-6944



TEST REPORT

Test Report No	: M2300150	ULR: TC694423700002219F	Report Date	: 21-07-2023
SITRA Ref No	: XXVII / M / E / 23428 / 23		No of Samples	: 1
Customer Ref No	: Mail Dt.18.07.2023		Received On	: 22-05-2023

To

Cephas Medical Pvt Ltd

DP 33,34, SIDCO Industrial Estate

(Urban) Alagapuri Road

Viruthunagar, Tamil Nadu, India

Pincode : 626103

Contact No(s) : 8667813849

Tested on: 14.07.2023

Dear Sir / Madam,

This has reference to the sample(s) submitted by you for testing vide your Letter reference no :

Mail Dt.18.07.2023.

The results pertaining to your sample(s) are enclosed herewith.

Authorised by,

(Dr. R. Radhai)

Inward No : M2300150 Access Code : 22919

Please login to sitraonline.org.in to view the test results and download machine printout pdf(s).

This is a computer generated report, hence does not require signature.

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This report is strictly CONFIDENTIAL. Its use for publicity, arbitration or as evidence in legal disputes is forbidden. Reference of sample(s) given by the party. Samples are not drawn by the laboratory. The above results are related to the samples tested. The report shall not be reproduced except in full, without the written approval of the laboratory. Authenticity of the report may be verified from our website www.sitraonline.org.in

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Test Report No : M2300150

ULR: TC694423700002219F

Report Date : 21-07-2023

Cephas Medical Pvt Ltd

Ref : Mail Dt.18.07.2023

Test Name : ISO 16604 Viral penetration resistance test CLOTHING FOR PROTECTION AGAINST CONTACT WITH BLOOD AND BODY FLUIDS - DETERMINATION OF RESISTANCE OF PROTECTIVE CLOTHING MATERIALS TO PENETRATION BY BLOOD-BORNE PATHOGENS - TEST METHOD USING PHI-X 174 BACTERIOPHAGE

Test Condition:

Test Organisms used : Bacteriophage phi x 174 B1 [ATCC 13706], *Escherichia coli* ATCC 13706
Inoculum size : 2×10^8 PFU/mL
Sample conditioning : $21 \pm 5^\circ\text{C}$ and 65 % RH
Test article sealed : Paraffin wax
No. of test articles tested : 3
No. of test articles passed : 3
Media used : Bacteriophage Nutrient agar
Incubation conditions : 37°C for 24 h
Retaining screen : B(With Retaining Screen)
Exposure procedure : 20 KPa
Test article side tested : Face side
Test article preparation : Sample tested randomly
Compatability ratio : <5
Settle plate results : Acceptable
Average Thickness of Fabric [mm] : 0.50
Average mass / unit area of material : 467.6
tested

Observation :

Test Parameter	M2300150-1				
	Described by the customer : <u>Gloves: 13-Inch Nitrile Flocklined Gloves</u>				
	Pre - Challenge Assay Titer PFU / ml	Post - Challenge Assay Titer PFU / ml	Assay Titer PFU / ml	Visual Penetration	Interpretation
Positive Control	1.1×10^9	1.0×10^9	2.7×10^1	No	Acceptable
Negative Control	1.1×10^9	1.0×10^9	<1	No	Acceptable
20	1.1×10^9	1.0×10^9	<1	No	Pass
Thickness of Fabric [mm]	0.49	0.51	0.50		
Mass / unit area - Fabric	467.5	468.1	467.3		

Result : : The test sample Passed in viral penetration resistance test when tested according to ISO 16604 test method

- End of Report -