

Report No. : CH:TX:1442020681

ISSUE DATE : 08/05/2023



CEPHAS MEDICAL PRIVATE LIMITED
DP 33 & 34, SIDCO INDUSTRIAL ESTATE (URBAN)
VIRUDHUNAGAR-626103
INDIA
CONTACT PERSON : C.R SARAVANAN

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION	GLOVES 18 INCH LONG NITRILE UNLINED GLOVES 22 MIL
COLOUR	GREEN
STYLE NO.	CNU 18 AND BNU 18
COUNTRY OF ORIGIN	INDIA
SAMPLE RECD ON	22/04/2023

TESTING PERIOD : 22/04/2023 - 06/05/2023

Summary of Test Results/Conclusion

Test Method / Standard	Test Name	Status / Performance Level
EN 16523-1:2015+A1:2018	Determination of material resistance to permeation by chemicals - Part 1: Permeation by liquid chemical under conditions of continuous contact	
	Nitric acid 65%	Level 2

Note: NABL symbol is published only on the page/s having accredited parameters.

Per pro SGS India Private Ltd.

R. KAMALAKANNAN
ASSISTANT MANAGER

Email your Test Report Related Enquiries at Feedback.SLT@sgs.com

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RESULTS

EN 16523-1:2015+A1:2018 Determination of material resistance to permeation by chemicals – Part-1: Permeation by Liquid chemical under conditions of Continuous contact.

Chemical CAS NO	Loop system/collection medium	Analytical technique used	Mean thickness (mm)	NBT at NPR $1.0 \mu\text{g cm}^{-2} \text{ min}^{-1}$ (minutes)	Performance level accordance to EN ISO 374-1: 2016+A1:2018 Table 1	Observation
Nitric acid 65% 7697-37-2 (Palm)	Closed loop/ Grade 3 water/ 350 rpm	Continuous measurement With Conductivity electrode	0.77 0.76 0.77	37 34 38	Level – 2	Severe swelling colour change
Nitric acid 65% 7697-37-2 (Cuff)	Closed loop/ Grade 3 water/ 350 rpm	Continuous measurement With Conductivity electrode	0.62 0.64 0.61	42 52 48	Level – 2	Severe swelling colour change

EN ISO 374-1:2016+A1:2018 – Protective gloves against dangerous chemicals and micro-organisms.

Part 1: Terminology and performance requirements for chemical risks.

Table 1: Permeation performance levels.

Permeation performance level	Measured breakthrough time (minutes)
1	>10
2	>30
3	>60
4	>120
5	>240
6	>480

Performance levels are based on the lowest individual results achieved per chemical

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TEST REPORT

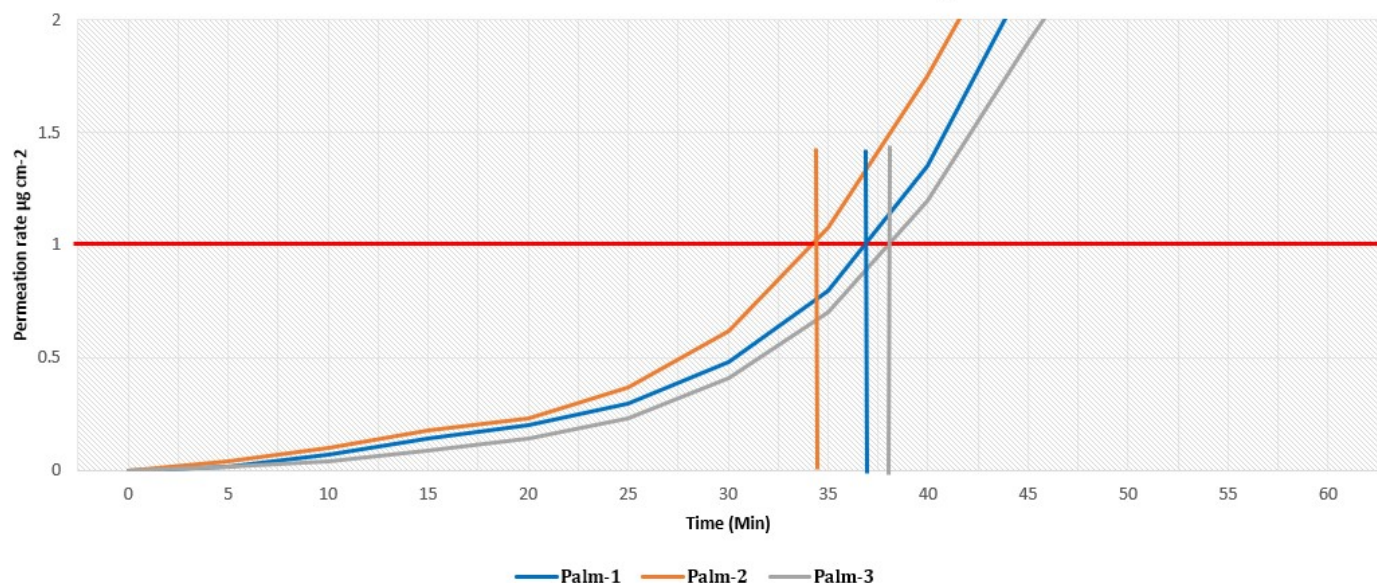
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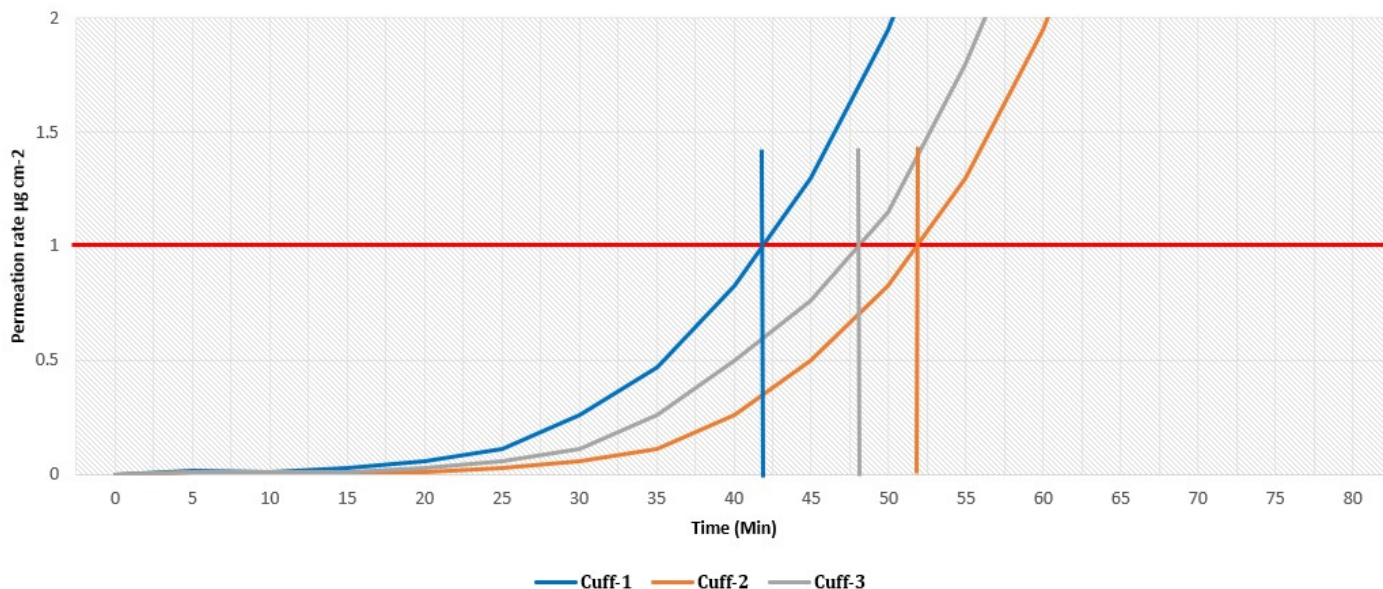


RESULTS

Nitric Acid 65% Permeation Graph



Nitric Acid 65% Permeation Graph



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SAMPLE IMAGE



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