

## TEST REPORT

**Report No. : CH:TX:1342032506**

**DATE : 12/07/2022**



**CEPHAS MEDICAL PRIVATE LIMITED**

DP 33, 34, 46 & 47, 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  
NITRILE FLOCKLINED GLOVES  
**COLOUR** GREEN  
**STYLE NO.** CND-15  
**PHOTO APPENDIX.**



**SAMPLE RECD ON**

29/06/2022

**TESTING PERIOD : 29/06/2022 - 12/07/2022**

### Summary of Test Results/Conclusion

| Test Method / Standard  | Clause/Test Name                                                      | Status / Performance Level |
|-------------------------|-----------------------------------------------------------------------|----------------------------|
| EN 16523-1:2015+A1.2018 | Permeation by Liquid chemical under conditions of continuous contact. |                            |
|                         | Methanol                                                              | Level - 2                  |

Per pro SGS India Private Ltd.

**R. KAMALAKANNAN**  
**ASSISTANT MANAGER**

Email your Test Report Related Enquiries at [Feedback.SLT@sgs.com](mailto: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<br>CAS NO  | Loop<br>system/collection<br>medium | Analytical<br>technique<br>used             | Mean<br>thickness<br>(mm) | NBT at NPR<br>$1.0 \mu\text{g cm}^{-2}$<br>$\text{min}^{-1}$<br>(minutes) | Performance<br>level<br>accordance to<br>EN ISO 374-1:<br>2016+A1:2018<br>Table 1 | Observation        |
|---------------------|-------------------------------------|---------------------------------------------|---------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------|
| Methanol<br>67-56-1 | Open loop/<br>Nitrogen              | Continuous<br>measurement<br>With<br>GC-FID | 0.45<br>0.46<br>0.46      | 46<br>47<br>49                                                            | Level - 2                                                                         | Slight<br>swelling |

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<br>(minutes) |
|------------------------------|-----------------------------------------|
| 1                            | >10                                     |
| 2                            | >30                                     |
| 3                            | >60                                     |
| 4                            | >120                                    |
| 5                            | >240                                    |
| 6                            | >480                                    |

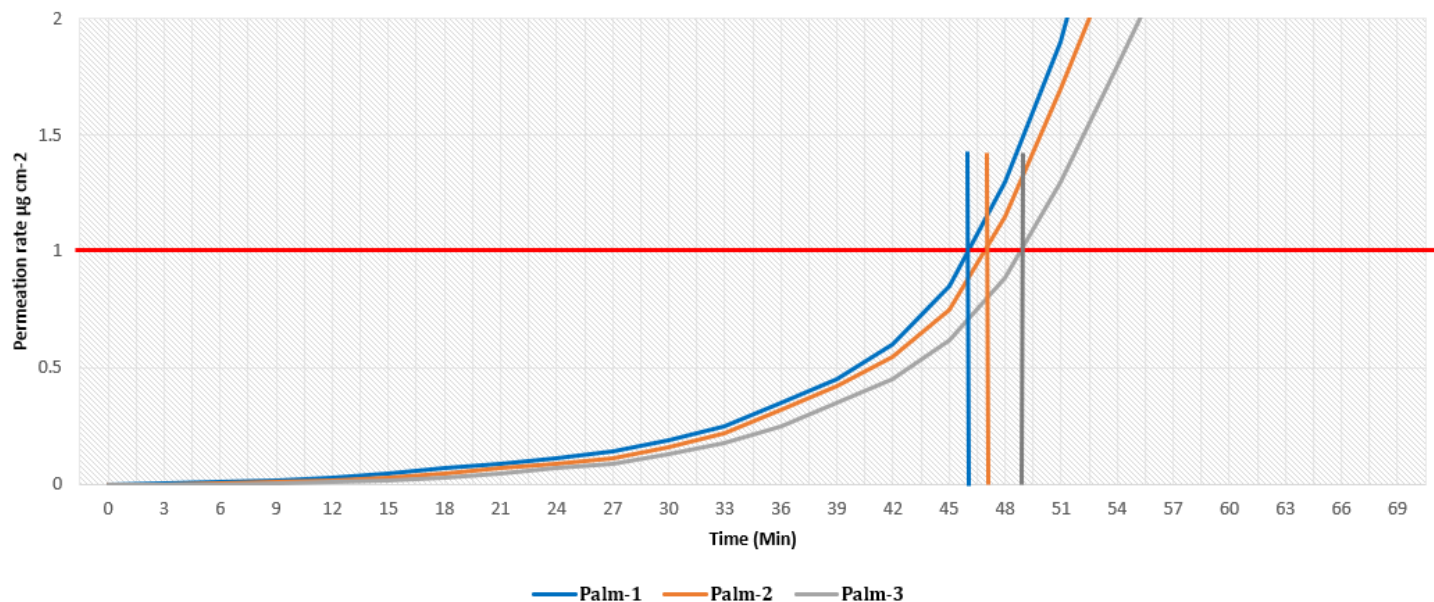
Performance levels are based on the lowest individual results achieved per chemical

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## RESULTS

### Methanol Permeation Graph



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