

TEST REPORT

Report No. : CH:TX:1042003821

DATE : 25/01/2019



SHHL1811067691SD

LYNCMED MEDICAL TECHNICAL(BEIJING)CO.LTD
ROOM 119, FLOOR 1, GUOTOUSHANGKE BUILDING NO 111, SOUTH HUIHE R
CHINA
A/C F619301 SGS-CSTC STANDARDS TECHNICAL SERVICES (SHANGHAI) CO., LTD.
CONTACT PERSON :

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

SAMPLE DESCRIPTION GLOVES
NITRILE GLOVE
STYLE NO. M
PHOTO APPENDIX.



SAMPLE RECD ON

22/01/2019

TESTING PERIOD : 22/01/2019 – 25/01/2019

Summary of Test Results/Conclusion

Test Method / Standard	Clause/Test Name	Status / Performance Level
EN 374-2:2014	Protective gloves against chemicals and micro-organisms:Determination of resistance penetration	
	Clause 4.1 – Air leak test	Pass
	Clause 4.2 – Water leak test	Pass
EN 16523-1:2015	Permeation by Liquid chemical under conditions of continuous contact.	
	Methanol	Level - 0
EN 374-4:2013	Resistance to Degradation by Chemicals	
	Methanol	Refer results.

Per pro SGS India Private Ltd.

K. Pachaiyappan

K. PACHAIYAPPAN
ASST. MANAGER

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

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RESULTS

EN 374-2 : 2014 Protective gloves against chemicals and micro-organisms – Part-2: Determination of resistance penetration

Clause	Test Name	Test Results		Performance level
4.1	Air leak Test (Air Pressure Used : 0.5 kPa)	Specimen #	Leakage	Pass
		Size M	No Leakage	
		Size M	No Leakage	
		Size M	No Leakage	
		Size M	No Leakage	
4.2	Water leak test	Specimen #	Leakage	Pass
		Size M	No Leakage	
		Size M	No Leakage	
		Size M	No Leakage	
		Size M	No Leakage	

EN 16523-1:2015 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 Table 1	Observation
Methanol 67-56-1	Open loop/ Nitrogen	Continuous measurement With GC-FID	0.06 0.05 0.06	<1 <1 <1	Level - 0	Severe swelling

EN ISO 374-1:2016 – 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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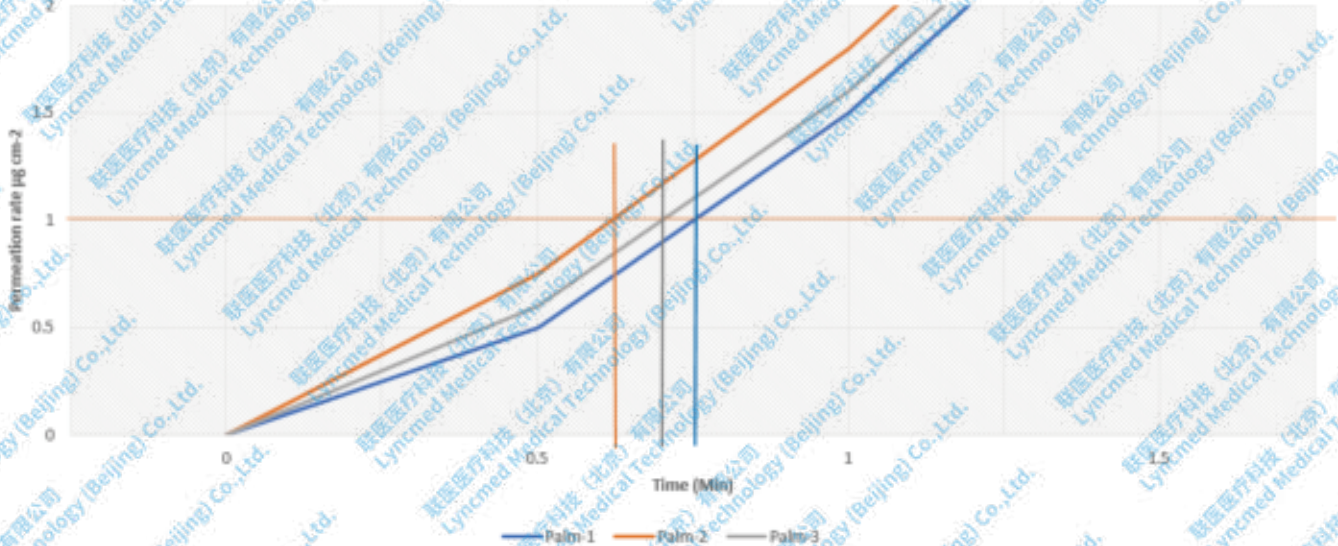
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RESULTS

Methanol Permeation Graph



EN 374-4:2013 Protective Gloves against Chemicals and Micro Organisms – Determination of resistance to degradation by chemicals

Chemical / CAS NO	Exposure Duration	Test Results		Observation
		Percentage change in puncture resistance		
		Glove sample	Result (%)	
Methanol 67-56-1	60±5 minutes	1	38.8	Severe swelling
		2	48.7	
		3	45.2	
		Mean	44.3	
		Standard Deviation	5.045	

***** End of Report*****