

## PERMEATION TESTING

The Glove Company  
320 Decker Drive #100  
Irving TX 75062

Date of Report: 14<sup>th</sup> May 2015

### Technical Report Summary

Tested by VicLab Pty Ltd, a NATA accredited laboratory number 14722

NATA Accredited Laboratory

Number: 14722

This document is issued in accordance with NATA accreditation requirements.

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### Testing Summary

Samples of gloves described as The Glove Company Nitrile Disposable Gloves were tested in accordance with BS EN 374: 2003 Part 3 and with the performance requirements of EN 374 Part 1: 2003. Tested for the determination of resistance to permeation by chemicals.

### Samples

The Glove Company TGC Orange Hi-Vis Nitrile Disposable Gloves

### Testing Standards

**See table over leaf for EN 374 permeation test results.**

BS EN 374: 2003 Protective gloves against chemicals and micro-organisms Part 1: Terminology and performance requirements.

BS EN 374: 2003 Protective gloves against chemicals and micro-organisms Part 3: Determination of resistance to permeation by chemicals.

### Conclusion

When tested in accordance with BS EN 374 Part 3: 2003 the samples of The Glove Company Nitrile Disposable Gloves achieved the performance breakthrough times outlined in Table 1 on the following page.

## The Glove Company Disposable Gloves Breakthrough Times

Chemical	Breakthrough Time (Minutes)
Skydrol	<28 mins
Sulphuric Acid 47% (CAS:7664-93-9)	<480 mins
Sodium Hydroxide 50% (CAS:1310-73-2)	<480 mins
Diesel (conforms to BS EN 228:2012)	<9 mins
Kerosene (CAS:8008-20-6)	<480 mins
Butanone (MEK) (CAS:78-93-3)	<1 min
Ethanol (CAS:64-17-5)	<1 min
Potassium Hydroxide (CAS:1310-58-3)	<480 mins
Petrol (conforms BS EN 228:2012)	<7 mins
Nitric Acid 30% (CAS:7697-37-2)	<480 mins
Hydrogen Peroxide 30% (CAS:7722-84-1)	<120 mins
Hydrochloric Acid 20%(CAS:7647-01-0)	<480 mins
Turpentine (CAS:80006-64-2)	<238 mins
Hydraulic Oil (CAS:64742-54-7)	<10 mins
Brake Fluid (conforms to BS EN 228:2012)	<10 mins
Engine Oil (conforms to BS EN 228:2012)	<10 mins
NATO Grade JP-8 A1 Jet Fuel*	On request only

\*This information can only be supplied to NATO and MNNA government agencies / armed forces.