

**TECHNICAL REPORT- CHEMICAL
PERMEATION**Reference No:
PTL/SOP/1/D9/3

Issue		Amendment		Location: DL - PTL
No: 04	Date: 2015-09-18	No: 05	Date: 2020-07-31	

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Test report No : PTL/20 – 028

Test Requested by : Mr. Thakshila Weerarathna

Sample Reference : 811C-28.33/CVIL/G8

Date & Time Samples Received : 2020/09/20 at 11.00 A.M

Date & Time Tested : 2020/10/30 at 10.45 A.M – 3.15 P.M

Test report prepared by : M.D.D.Chathurika ~~LT/OA/SUP~~

Authorized by : W.A.D.C.Rodrigo M-PTL/~~JE-PTL~~

Test report issue date : 2020/11/10

Sample Condition Humidity : Actual:50%-52% Specification: 50±5%

Sample Condition Temperature : Actual:23.4 °C-23.8 °C Specification: 23±2°C

Samples collected by : Provided by the customer / ~~PTL~~

Conditions of issue

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- Results in this report refer only to the samples submitted for analysis and tested by PTL

Test Chemical	Average thickness of specimen (mm)			Physical Changes			NBT (min)							Performance Level	Specification	
	Specimen 1	Specimen 2	Specimen 3	Specimen 1	Specimen 2	Specimen 3	Specimen 1	UOM ±	Specimen 2	UOM ±	Specimen 3	UOM ±	Min			UOM ±
Acetone, 99.9% CAS No:67-64-1	0.42	0.43	0.42	Swelling	Swelling	Swelling	<1	-	<1	-	<1	-	<1	-	0	-
Toluene, 99.71% CAS No:108-88-3	0.38	0.40	0.41	Swelling	Swelling	Swelling	<1	-	<1	-	<1	-	<1	-	0	-
Dichloromethane CAS No:75-09-2	0.44	0.45	0.42	Swelling	Swelling	Swelling	<1	-	<1	-	<1	-	<1	-	0	-

Permeation Performance Levels & Permeation Graphs – See DPL/PTL/SOP/1/D9/3/1

Test Method	<input type="checkbox"/> EN 374-3:2003 <input checked="" type="checkbox"/> BS EN – 16523-1:2015+A1:2018 <input type="checkbox"/> ASTM F 739:2012
Method of Detection	<input type="checkbox"/> pH <input type="checkbox"/> Conductivity <input checked="" type="checkbox"/> FID <input type="checkbox"/> UV-Visible
Loop System	<input checked="" type="checkbox"/> Open <input type="checkbox"/> Close
Flow Rate (ml/min)	350.1-351.0
Collection Medium	<input checked="" type="checkbox"/> Nitrogen gas <input type="checkbox"/> De-ionized water
Periodic/Continuous	<input type="checkbox"/> Periodic <input checked="" type="checkbox"/> Continuous
Tested Temperature	23°C
Accredited/Not Accredited	<input checked="" type="checkbox"/> Accredited <input type="checkbox"/> Non- Accredited
Remarks	# DPL/PTL/SOP/1/D9/3/1 only applicable for external customers *Retest Results
Tested by	A.D.A.Ravindra

-End of report-