

Test Report of  
Antimicrobial Test

Intertek India Private Limited,  
Division : Commodities  
Intertek House,  
"F" wing, Tex Centre,  
26-A, Chandivali Farm Road,  
Off. Saki Vihar Road, Andheri (East)  
Mumbai – 400 072, India.  
Tel : +91 22 42450100  
Fax : +91 22 42450250  
[Operation.mumbai@intertek.com](mailto:Operation.mumbai@intertek.com)  
[www.intertek.com](http://www.intertek.com)

**Report of Analysis**

**Date of Sample(s) Received:** 26.09.2022  
**Date of Job Started:** 26.09.2022  
**Sample Number(s):** 15796874

**Report No:** MUM/003360/2022  
**Date of Job Completed:** 04.10.2022  
**Report Date:** 04.10.2022

**M/s. Premium Healthcare Disposables Pvt Ltd.**

Roy Para, Hatiara, Near Vivekananda Club,  
City Center 2, Kolkata – 700157,  
West Bengal, India

**For the Attention of** : Mr. Ashok Kumar Shaw

**Sample(s) received from** : Premium Healthcare Disposables Pvt Ltd

**Sample(s) submitted as** : Safe Hand Co-Polymer Gloves Samples

**Description(s) on Label(s)** : As Attached

**Seals on Sample(s)** : None

The above sample(s) was/were examined as detailed below and the following results obtained:

Please refer attached sheet for analytical results.

IPL/17025/QF/7.8/01	<b>Issue No.:</b> 01	<b>Amend No.:</b> 00
	<b>Issue Date.:</b> 16.12.2019	<b>Amend Date.:</b> 00.00.0000

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**Sample Label:** - 0622 - Safe Hand Co-Polymer Gloves Samples

**METHOD:** JIS Z 2801

Sr. No.	Title	Antibacterial Products – Test for antibacterial activity and efficacy.
1	Type, Size, Shape & Thickness of Antibacterial treated Test sample	0622 – Safe hand co-polymer gloves, 5x5cm square, <1mm
2	Type, Size, Shape & Thickness of Un-treated sample	Control, 5 x 5 cm square, <1mm
3	Type, Size, Shape of Film used to cover test and control sample after inoculation	Polyethene Film of 4 x 4 cm square, <1mm
4	Number of viable bacteria in test inoculum	<i>S. aureus</i> ATCC 6538P 2.7 x10 <sup>5</sup> cfu/ml
		<i>E. coli</i> ATCC 8739 2.5 x10 <sup>5</sup> cfu/ml
5	Volume of test inoculum inoculated	0.4 ml

### 1. Test Bacteria: *Staphylococcus aureus* ATCC 6538P

UNTREATED: Conc. of Inoculum on untreated sample at 0 hours (A): 24500		Log = 4.39	
UNTREATED: Conc. of Inoculum on untreated sample after 24 hour (B): 440000		Log = 5.64	
No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
400	2.60	3.04	99.91%

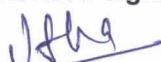
### 2. Test Bacteria: *Escherichia coli* ATCC 8739

UNTREATED: Conc. of Inoculum on untreated sample at 0 hours (A): 35250		Log = 4.55	
UNTREATED: Conc. of Inoculum on untreated sample after 24 hour (B): 475000		Log = 5.68	
No. Bacteria on treated sample (C)	Log of Bacteria on treated sample	Antimicrobial Activity (R) (Log B-C)	Microbial Kill (% Reduction)
42	1.62	4.06	99.99%

Acceptance criteria: R is  $\geq$  2.0

**Interpretation:** When tested as specified in JIS Z 2801, the Sample 0622 - Safe Hand Co-Polymer Gloves Samples shows Anti-Microbial activity, where R is  $>$  2.0.

Authorized Signatory



Ushadevi Yadav

Assistant Manager Microbiology



End of Report

Note : The results reported relate to the sample tested only. The Test Certificate shall not be reproduced in full or part without the written permission of INTERTEK. The sample(s) has been not drawn/sampled by INTERTEK LAB. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and / or shipment and only relate to the sample(s) as received and tested. This report was prepared solely for the use of the client named in this report. Intertek disclaims any and all liability for damage or injury which results in the use of the information contained herein and accepts no responsibility for any loss, damage or liability suffered by a third party as a result of any reliance upon or use of this report. All jobs are performed as per Intertek terms & Conditions available at <http://www.intertek.com/terms/> or can be made available on request

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