



This is to certify that
COCOSHIELD Non-Alcoholic Moisturizing Hand Sanitizer

Developed by Ardor Biomed Pvt. Ltd.
is tested Dermatologically using Primary Irritation Patch Testing per BIS 4011:2018 in Healthy Adult Human Subjects with Normal Skin Conditions and found to be

- Non-Irritant
- Dermatologically Tested
- Safe on Skin
- Skin Compatible

Dr. Nayan Patel, MBBS
Principal Investigator

Dr. Apeksha Merja Patel, MD (Skin|Hair)
Sub-Investigator

The Trial was registered under CTRI with registration no. CTRI/2022/08/044738 and approved by Ethics Committee.

Results from evaluation of Dermatological Safety, Skin Compatibility of Test Products by 24 Hours Patch Test (Primary Irritation Patch Test – PIPT) under Complete Occlusion on Adult Healthy Human Subjects

Our 3rd party skin sensitivity and compatibility tests for cocoshield was tested by the Dermatologist Validated Trained Scorer as well as the Dermatologist and found safe for all skin types (Oily, Dry, Normal & Combination) as per the test conducted on 26 healthy subjects. The scoring method and mean score calculation used in this test are as per Clause 4.3.1.3 in BIS 4011:2018 Methods of test for safety evaluation of cosmetics, Third revision (ICS 71.100.40). ○

No complaints of adverse effects or worsening of skin conditions were reported even on a single application of the products during and till the completion of the study. N

✓ **Proven suitable for all skin types**

Contact us:

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COCO SHIELD

Moisturizing Skin Sanitizer

CLINICAL STUDY REPORT



The Cocoshield Promise

A vast part of infection preventions starts from hand hygiene Our Cocoshield non-alcoholic hand sanitizer & moisturizer is the perfect solution for long lasting protection against all infection causing pathogens. The patented technology is 100% aqua based with the potent protection of coconut-derived monolaurin which is known to have wide spectrum antimicrobial properties. Our product has been tested for efficacy against several infection causing bacteria, fungi and even SARS COVID virus. Besides the long lasting protection, it keeps your skin moisturized and smooth with a distinct natural aroma.



Proven non-allergic & non-irritant



Dermatologically tested



Kids-safe

MONOLAURIN

Coconut derived monolaurin which is also present in mother's milk is known to have wide spectrum anti-microbial activity. It is non-toxic and safe on skin

NANO-SILVER

Silver is a safe and non-toxic anti-microbial and acts to augment the activity of Monolaurin on harmful pathogens helping to achieve a quick action

BKC

Benzalkonium Chloride is a widely used anti-microbial and preservative and helps to keep the formulation stable for extended periods of time

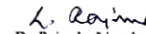


इंडियन इम्यूनोलॉजिकल्स लिमिटेड
INDIAN IMMUNOLOGICALS LIMITED

Hyderabad
10th Oct 2022

TO WHOMSOEVER IT MAY CONCERN

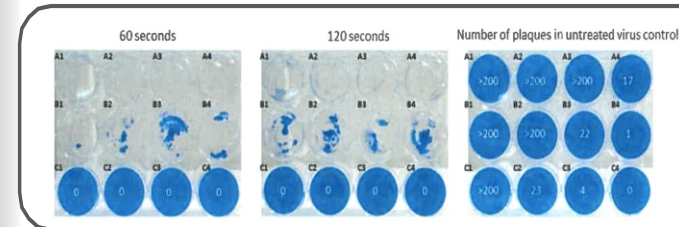
"M/s Ardor Biomed India PVT LTD had approached us to identify Anti-viral properties of their proprietary hand sanitizer product as part of their non-statutory studies. The studies were carried out in our laboratory against SARS CoV-2 strains. Their product composition containing monolaurin +Ag, with the brand name COCOSHIED was found to have virucidal activity against SARS Cov-2 and was able to achieve kill rate of 2×10^{-5} virus particles with a contact time of 60 seconds."

Thanking you,
Yours Truly

Dr. Rajendra Lingala,
Vice President & Head -R&D,
Indian Immunologicals Limited



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VIRUCIDAL ACTIVITY OF COCOSHIELD ON SARS Cov-2 STRAIN



- With the monolaurin and silver combinations in Cocoshield, no virus plaque could be found even at 60 seconds
- The results are similar in 120 seconds. This could mean that Cocoshield killed 2×10^5 virus particles when mixed with 900 μ L of the sample
- This indicates that the undiluted sample could kill all the viruses



Standard Test Method for Assessment of Antimicrobial Activity for water miscible compounds using a Time-Kill procedure (ASTM E2783-11)

Based on the test report provided by the laboratory, Cocoshield alcohol-free Skin Sanitizer and Moisturizer reduces 99.9% of Pseudomonas aeruginosa, Staphylococcus aureus and Candida albicans immediately after 30 seconds of exposure time



AVON FOOD LAB (PVT.) LTD.
Testing facility approved from Drugs Control Department and Directorate of AYUSH
ISO 9001, 14001 & ISO 45001 (OHSAS) Certified

TEST REPORT

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Issued to : M/s. Novobiss Research Private Limited
A-206, Shaligram Lake View, Khorajgam,
Gandhinagar, Gujarat, 382421

Sample code : N/202209070001
Report No. : AFLPL/N/070922001
Date of Issue : 12/09/2022

Test Started on : 07/09/2022

Test Completed on : 12/09/2022

S.No.	Test Organisms	Initial Count -Control (Average Count cfu/ml)	End count -Contact time:120s (cfu/ml) (B)	Average End count (120s) cfu/ml	Log ₁₀ reduction (LR)	Percentage reduction (%)
1	Pseudomonas aeruginosa: MTCC -424	1.2×10^6	4	3.5	7.53	99.9999
	Pseudomonas aeruginosa: MTCC -424	1.2×10^6	3			
2	Staphylococcus aureus MTCC-3160	2.0×10^6	2	2	8.0	99.9999
	Staphylococcus aureus MTCC-3160	2.0×10^6	2			
3	Candida albicans: NCIM-3471	2.5×10^6	5	4.5	7.74	99.9999
	Candida albicans: NCIM-3471	2.5×10^6	4			

Water Control - No Growth

Acceptance Criteria
The test is considered to be valid if the start and end (inoculum) counts are within $\pm 0.5 \log_{10}$.

Calculation
Percentage Reduction (%) = $(\text{Cfu/ml Initial concentration} - \text{Cfu/ml Test Material}) / \text{Cfu/ml Initial concentration} \times 100$
Log reduction (LR) = $\log_{10}$ of control - $\log_{10}$ of material Test

Conclusion
The results obtained for the above-mentioned organisms are within the acceptable range 98-99 % reduction from immediate after 30 sec exposure time only.


Sushant
(Section Incharge Microbiology)
Authorized Signatory

* The results listed refer only to the tested sample and applicable parameter.
* This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
* This report can not be reproduced, except when in full, without the written permission of the Director.
* The sample will be destroyed after three weeks from the date of issue of the test report.
* (in case of non-perishable products only)
* The liability of the laboratory is limited to the invoiced amount.
* All disputes are subject to the Delhi Jurisdiction.

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