

TEST REPORT

Report No: TUV(I)/1212/20-21/0062000055

Date: 12 Jun 2020

TUV INDIA PRIVATE LIMITED
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Survey No. 42, 3/1 & 3/2,
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Name & Address of Customer : Dimple Chemicals & Services P Ltd
Gat No 281, Village Ghotawade Near
Shelkewadi Tal-Mulshi,
Pune, Maharashtra – 412115

Name of the Sample : Clonon

Name of the Test : Disinfectant / Sanitizer Effectiveness Test

CA No. : 006200055

Date of sample receipt : 01 Jun 2020

Date(s) of analysis : 01 Jun 2020- 12 Jun 2020

Objectives Of Test : To determine the effectiveness of the disinfectant /
Sanitizer used for the sanitation

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DAY-3

Time-Kill Results for Test Sample				
Microorganism (ATCC #)	Exposure time	Replicate	Log ₁₀ Reduction	Average Log ₁₀ Reduction
<i>E.coli</i> ATCC 8739	30 sec	1	>5.91	>5.91
	60 sec	1	>5.91	
	90 sec	1	>5.91	
<i>Staphylococcus aureus</i> ATCC 6538	30 sec	1	>5.92	>5.92
	60 sec	1	>5.92	
	90 sec	1	>5.92	
<i>Salmonella typhimurium</i> ATCC 23564	30 sec	1	>5.93	>5.93
	60 sec	1	>5.93	
	90 sec	1	>5.93	
<i>Shigella flexnerii</i> ATCC 12022	30 sec	1	>5.92	>5.92
	60 sec	1	>5.92	
	90 sec	1	>5.92	
<i>Listeria monocytogens</i> ATCC 19111	30 sec	1	>5.92	>5.92
	60 sec	1	>5.92	
	90 sec	1	>5.92	
<i>Streptococcus faecalis</i> ATCC 8043	30 sec	1	>5.93	>5.93
	60 sec	1	>5.93	
	90 sec	1	>5.93	

Table: 5: Percentage & Log Reduction of Challenge Organisms

Test Microorganisms	Percentage & Log Reduction of Challenge Organisms									
	Reduction	Time Intervals								
		30 Sec			60 Sec			90 Sec		
	Replicates	1	2	3	1	2	3	1	2	3
<i>E.coli</i>	Percentage	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999
	Log	> 5.91	> 5.91	> 5.91	> 5.91	> 5.91	> 5.91	> 5.91	> 5.91	> 5.91
<i>Staphylococcus aureus</i>	Percentage	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999
	Log	>5.93	>5.92	>5.92	>5.93	>5.92	>5.92	>5.93	>5.92	>5.92
<i>Salmonella typhimurium</i>	Percentage	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999
	Log	>5.93	>5.92	>5.93	>5.93	>5.92	>5.93	>5.93	>5.92	>5.93
<i>Shigella flexnerii</i>	Percentage	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999
	Log	>5.93	>5.93	>5.92	>5.93	>5.93	>5.92	>5.93	>5.93	>5.92
<i>Listeria monocytogens</i>	Percentage	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999
	Log	>5.92	>5.92	>5.92	>5.92	>5.92	>5.92	>5.92	>5.92	>5.92
<i>Streptococcus faecalis</i>	Percentage	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999	>99.999
	Log	>5.93	>5.93	>5.93	>5.93	>5.93	>5.93	>5.93	>5.93	>5.93



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1. Interpretation:

- The initial load of microorganisms were tested for the product and found to be sterile. Hence the Effectiveness test had been initiated.
- The test demonstrated that the product Clonon shows > 5 log reduction/ > 99.999 % reduction at 30s, 60 Sec & 90 sec time intervals against challenge organisms.

E.coli, Staphylococcus aureus, Salmonella typhimurium, Shigella flexnerii, Listeria monocytogenes Streptococcus faecalis



Authorized by

Shalini Premkumar
Incharge - Microbiology

Terms and Conditions

1. Test Results are based on & related only to the particular sample(s) tested.
2. This Report cannot be re-produced, except when in full, without the written permission from TUV India Pvt. Ltd.
3. This Certificate reflects our findings at the time and place of testing.
4. Sample(s) will be retained by us for a period of one month for non-perishable items only. Perishable items will be destroyed after completion of tests.
5. This Report, in full or in part, shall not be used to make any misleading claims or for any legal purposes.
6. All terms and conditions of our quotation on the basis of which this testing service has been provided are deemed to be in full force and effect.
7. This Report is exclusively for the use of the customer whose name and address is indicated above. No third party can derive rights against the company on the basis of this report. No third party has any right to raise any claims on the company.
8. For Biological and mycotoxin Analysis: Our analytical findings reflect the quality of the sample at the time of testing. No responsibility can be accepted for the possible consequences of further development of micro-organisms or mycotoxin which may depend upon storage, handling & weather conditions which may influence the results at a later date/time respectively.
9. The laboratory tests are conducted by TUV India as per mutual agreement without any implied warranty of merchantability and fitness for any general or particular use. TUV India will not be liable for any claims for indirect, incidental or consequential damages including but not limited to loss of revenue, loss of profits and similar claims. TUV India will also not be liable under any strict liability, product liability or negligence. The total liability, scientifically and legally proven, if any, of TUV India, in any case, shall not exceed the invoiced amount for the services provided and paid for.
10. For Pesticide Residue analysis, reported value at LOQ level may vary within analytical variation of 50% considering Uncertainty of Measurement.

-- End of Report --

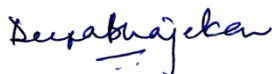
Date: 09.07.2020

CERTIFICATE

This is to certify that “Clonon – All purpose Cleaner & Odour Remover” supplied by Dimple Chemicals and Services Pvt Limited when tested for antiviral activity by ASTM E1052-20 using MS2 Bacteriophage, a surrogate for SARS-CoV-2 (COVID-19), over a contact time of 90 seconds, demonstrated a percentage kill of 87.2366 and a log reduction of 0.8940.

The test was conducted on the sample ‘as submitted’ without any dilution, in a single procedure, at a temperature of $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$.

This test report is valid for the specified test material tested at the time of study under the stated environmental conditions for Batch No: 19/20-782 vide our test report number dtech/20-21/10015.



Authorized Signatory / Technical Head

Name: Dr. Deepa Bhajekar

APT TESTING AND RESEARCH PRIVATE LIMITED

APPROVED BY FDA - MAHARASHTRA STATE LIC NO. - 37-PD/TL/7
ISO 9001:2015 CERTIFIED LABORATORY (Regd. No. QMS.91.002.04.16)

Regd. Office: S. No. 36/1/1, M.N. 199, Vadgaon Khurd, Pune 411 041, Maharashtra, India.

• Tel.: +91 9607352020 • E-mail: info@ntc-apt.com, ntcpune@gmail.com

• Web: ntc-apt.com • CIN NO.: U74220PN2008PTC132043



Date: 24/JUNE/2020

INTERIM CERTIFICATE

This is to certify that the LD₅₀ value of "CLONON-ALL PURPOSE CLEANER & ODOUR REMOVAL", supplied by DIMPLE CHEMICALS & SERVICES PVT LTD, according to the OECD Guidelines, 423, Adopted 17th December 2001, in Wistar rats by the oral route, would be in GHS Category 5, > 2000-5000 mg/kg body weight, with a LD₅₀ cut off at 5000 mg/kg body weight.

All the animals showed no clinical signs of toxicity, no toxicity at gross necropsy at the dose of 300 mg/kg. At the dose of 2000 mg/kg there were no clinical signs of toxicity and mortality till date.

The report of the toxicity test conducted will be submitted through Study Code "CH199/2021/1791/IRA(a)".

This test report will be valid for the specified test material tested at the time of study under the stated environmental conditions.

As the dose of 2000 mg/kg showed no clinical signs of toxicity and mortality till date (8 days), it can be concluded that "CLONON-ALL PURPOSE CLEANER & ODOUR REMOVAL" could be SAFE for use.

ATR is approved by the Food & Drug Administration, Maharashtra State, Pune, through License No. 37-PD/TL/7.

Dr. K. G. Apte

Test Facility Management.

APT TESTING AND RESEARCH PRIVATE LIMITED

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• Web: ntc-apt.com • CIN NO.: U74220PN2008PTC132043



Date: 24/June/2020.

C E R T I F I C A T E

This is to certify that the Acute Dermal Irritation/Corrosion of the test material "CLONON- ALL PURPOSE CLEANER & ODOUR REMOVAL" supplied by DIMPLE CHEMICALS & SERVICES PVT. LTD., according to the OECD Guidelines 404, Adopted 28th July 2015, in rabbits was found to be SAFE at the dose level of 0.50 ml/patch.

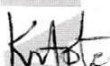
The Skin Irritation Index was found to be 0.00.

The test material was found to be a NON – IRRITANT to the skin in rabbits and hence it can be concluded that "CLONON- ALL PURPOSE CLEANER & ODOUR REMOVAL" is NON -TOXIC and SAFE for use.

The report of the toxicity test conducted has been submitted through Study Code No. "CH199/2021/1791/024"

This test report is valid for the specified test material tested at the time of study under the stated environmental conditions.

ATR is approved by the Food & Drug Administration, Maharashtra State, Pune, through License No. 37-PD/TL/7.


Dr. K. G. Apte

Test Facility Management.

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Date: 27/July/2020.

CH199/2021/1791/IRb(f)

CERTIFICATE


This is to certify that the test material "CLONON-ALL PURPOSE CLEANSER & ODOUR REMOVER", supplied by DIMPLE CHEMICALS & SERVICES PVT. LTD., Gate No. 281, Village: Ghotawade, Hinjewadi-Pirangut Road, Taluka: Mulshi, District: Pune 412115. (Maharashtra) India caused NON IRRITATION to the eye in rabbits, according to the OECD Guidelines 405, Adopted 9th October 2017.

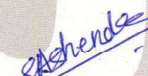
The Irritation Score was found to be 0.00. The test material is termed as a NON IRRITANT to eye.

The report of the toxicity test conducted has been submitted through Study Code. "CH199/2021/1791/IRb(f)"

This test report is valid for the specified test material tested at the time of study under the stated environmental condition.

ATR is approved by the Food & Drug Administration, Maharashtra State, Pune, through License No. 37-PD/TL/7.


Dr. K. G. Apte
Test Facility Management.


Ms. Shriya Shende
Study Director.

विष विज्ञान केंद्र