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NANOLAB LABORATORY SERVICES

MICROBIOLOGICAL ACTIVITY TEST REPORT

Report Registration Number/Rev.No/Report Date	T22-2790/1/05.09.2022
Sample Name	DETRO PAA 2200
Product / License Holder	DETRO HEALTHCARE KİMYA SAN. A.Ş
Active Substances and Ratios	2200 PPM PERACETIC ACID
Sample Arrival Date	24.06.2022
Sample From,Date and Number	, 24.06.2022 -
Sample Arrival, Seal Status	Biocidal Special Request , Unsealed
Address From The Sample	ATATÜRK MAHALLESİ CEMAL GÜRSEL CADDESİ NO: 8/3, ESENYURT/İSTANBUL
Production Address	
Sample Serial Number	3072022012
Test Start and End Date	05.08.2022 - 18.08.2022
Sample Package	HDPE
Analysis / Method	Evaluation of Sporicidal Activity / EN 17126
Production - Expiry Date	18.05.2022 - 18.11.2023
Sample Quantity	5 L
Explanation	15 DAKİKA / 15 MINUTES
Formulation Form	SIVI / LIQUID

1. No part of the analysis report can not be used alone or separately.
2. This report can not be used in judicial-administrative proceedings and for advertising purposes.
3. Analysis results are valid for the above mentioned sample.
4. This report may not be partially copied or reproduced without the written permission of the laboratory.
5. Unsigned and unsealed reports are not valid.
6. The above mentioned values were determined as the result of the examination and analysis.
7. Abbreviations; E : Evaluation, P : Pass, F : Fail, N.I. : Not Interpreted, R : Recovery, E.U. : Expanded Uncertainty, LOQ : Limit of Quantification
8. NI: Within the scope of the relevant legislation, no evaluation can be made for analyzes that do not have a limit value.
9. The analysis signed with "*" are in the scope of accreditation.
10. Based on the customer's request, the report was revised by adding the active ingredients and ratios of the sample to the report. The report with the revision number "00" with the report number T22-2790 dated 23.08.2022 is invalid.

Analysis Personnel
Seher ARSLAN

NANOLAB MERKEZ

Confirm
Ahmet İnanç ŞIK
Lab. Manager

Date
05.09.2022

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Microbiological Parameters Examined	Method	Plate Count method (number of plates used)	Test temperature	Incubation temperature	Blocking Substance	Testing Organism	Neutralizer used
DETRO PAA 2200	EN 17126	Spread / 2	20°C	37°C	Clean-0,3 g/L bovine albumin	*Clostridium difficile R027 NCTC 13366*	D-Polysorbate 80 50 g/L + catalase 0,25 g/L + lecithin 10 g/L

Testing Organism: *Clostridium difficile R027 NCTC 13366*

Validation suspension (Nv0)			Control of experimental conditions (A)			Neutralizer / filtration control (B)			Method validation (C) Product concentration: %80			Validation suspension (NvB)		
V_c	121 125	$\bar{x} = 123$	V_c	112 112	$\bar{x} = 112$	V_c	97 94	$\bar{x} = 95,5$	V_c	101 99	$\bar{x} = 100$	V_c	91000 89000	$\bar{x} = 90000$
$30 \leq \bar{x} \leq 160$? [X] Yes [ ] NO			*A's* $\bar{x} \geq 0,5 \times Nv0\ \bar{x}$? [X] Yes [ ] NO			*B's* $\bar{x} \geq 0,0005 \times NvB\ \bar{x}$? [X] Yes [ ] NO			*C's* $\bar{x} \geq 0,5 \times Nv0\ \bar{x}$? [X] Yes [ ] NO			$30 \leq N_{VB}/1000 \leq 160$? [X] Yes [ ] NO		

Test suspension and test

Test suspension (N ve N0)	*N*	*Vc*		*N* = 2,1 x10^7	$\log N$ = 7,31
	10^{-5}	207	203	N_0 = 2,1 x10^6	$\log N_o$ = 6,31
	10^{-6}	21	20	$6,17 \leq \log N_O \leq 6,70$?	[X] Yes [ ] NO

% (v/v) Product concentration	*Vc*		*Na* (kob/ml)	log *Na*	log R ($\log N_0$ - $\log Na$)	Contact Time
% 80,00	17	18	175	2,24	4,07	15 min

Evaluation:
The product demonstrated 4 log reduction within the test conditions, and was evaluated EFFECTIVE against the Clostridium difficile R027 NCTC 13366 microorganism.

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