



# Abbott Analytical



Consulting Scientists to the Disinfectant Industry

## Test Report

**Product name:** Safe4 Disinfectant Cleaner

**Batch or ref no:** Batch 1999, Best before 9/2/19

**Manufacturer or supplier:** Safe Solutions (Safe4) Ltd  
Wharton Green House, Bostock Road, Winsford, CW7 3BD

**Sample ref:** 17D/007                      **Date received:** 7 April 2017

**Date tested:** 3 May 2017                      **Certificate date:** 31 May 2017

**Certificate no:** 17D.007VM.SSL                      **Page:** 1 of 3

**Analysis required:** EN 14204:2012, Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (phase 2, step 1)

**Storage conditions:** Room temperature in darkness

**Appearance of product (solution):** Dark green liquid

**Active substance(s) and their concentration(s):** Not disclosed

### Notes

The test results in this report relate only to the sample(s) tested. This test report may not be reproduced except in full, adapted, altered or used to create a derivative work, without written approval from Abbott Analytical.

D C Watson BSc, CBiol, MRSB

Abbott Analytical Limited  
Unit 2, Hickmans Road,  
Birkenhead, CH41 1JH, United Kingdom

Registered address: Kemp House, 160 City Road,  
London, EC1V 2NX, United Kingdom

Telephone: +44 (0)151 345 6753  
email: [enqs@abbottanalytical.co.uk](mailto:enqs@abbottanalytical.co.uk)  
[www.abbottanalytical.co.uk](http://www.abbottanalytical.co.uk)

A company registered in England and Wales  
Company number 10031406



# Abbott Analytical



Consulting Scientists to the Disinfectant Industry

**Certificate no:** 17D.007VM.SSL

**Date:** 31 May 2017

**Page:** 2 of 3

## Experimental conditions

**Concentration(s) of product tested:** 1:50 & 1:100 v/v

**Product diluent:** Sterile hard water (300mg/l CaCO<sub>3</sub>)

**Test organism(s):** *Mycobacterium avium* (DSM 44157)

**Contact time(s):** 30 min ± 10s

**Test temperature:** 10°C ± 1°C

**Test conditions:** High-level soiling

**Interfering substance:** 10g/l bovine albumin +  
10g/l yeast extract

**Method:** Dilution-neutralisation

**Neutralising solution:** 30g/l Polysorbate 80 + 3g/l Lecithin +  
1g/l L-histidine + 1g/l L-cysteine

**Incubation temperature:** 36°C ± 1°C

## Conclusion

When tested at concentrations of 1:50 and 1:100 this sample of Safe4 Disinfectant Cleaner meets the requirements of EN 14204:2012 for mycobactericidal activity in 30 minutes at 10°C, under high-level soiling conditions, against the referenced strain of *Mycobacterium avium*.

D C Watson BSc, CBiol, MRSB

Abbott Analytical Limited  
Unit 2, Hickmans Road,  
Birkenhead, CH41 1JH, United Kingdom

Registered address: Kemp House, 160 City Road,  
London, EC1V 2NX, United Kingdom

Telephone: +44 (0)151 345 6753  
email: [enqs@abbottanalytical.co.uk](mailto:enqs@abbottanalytical.co.uk)  
[www.abbottanalytical.co.uk](http://www.abbottanalytical.co.uk)

A company registered in England and Wales  
Company number 10031406



# Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Certificate no: 17D.007VM.SSL

Date: 31 May 2017

Page: 3 of 3

**Results: *Mycobacterium avium* (DSM 44157)**

**Validation and controls:**

Validation suspension ( $N_{v0}$ )			Experimental conditions control (A)			Neutralizer or filtration control (B)			Method validation (C)		
Vc1	41	$\bar{x} =$	Vc1	36	$\bar{x} =$	Vc1	40	$\bar{x} =$	Vc1	34	$\bar{x} =$
Vc2	32	36.5	Vc2	31	33.5	Vc2	46	43	Vc2	42	38
30 ≤ $\bar{x}$ ( $N_{v0}$ ) ≤ 160 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x}$ (A) ≥ 0.5 x $\bar{x}$ ( $N_{v0}$ )? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x}$ (B) ≥ 0.5 x $\bar{x}$ ( $N_{v0}$ )? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no			$\bar{x}$ (C) ≥ 0.5 x $\bar{x}$ ( $N_{v0}$ )? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no		

**Test suspension:  
(N and  $N_0$ )**

N	Vc1	Vc2	$\bar{x}$ $w_m = 4.00 \times 10^8$ ; lg N = 8.60
$10^{-6}$	>330	>330	$N_0 = N/10$ ; lg $N_0 = 7.60$
$10^{-7}$	43	37	7.48 ≤ lg $N_0$ ≤ 7.90 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no
Control of weighted mean counts			Quotient = 8.25 Between 5 and 15 ? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no

**Test:**

Product test conc.	Contact time	Diln. step	Vc1	Vc2	lg $N_a =$ lg ( $\bar{x}$ $w_m \times 10$ )	lg R (lg $N_0 = 7.60$ )	Status
1:50	30 min	$10^0$	3	0	< 2.15	> 5.45	PASS
		$10^{-1}$	0	0			
1:100	30 min	$10^0$	4	2	< 2.15	> 5.45	PASS
		$10^{-1}$	0	1			

D C Watson BSc, CBiol, MRSB

Abbott Analytical Limited  
Unit 2, Hickmans Road,  
Birkenhead, CH41 1JH, United Kingdom

Registered address: Kemp House, 160 City Road,  
London, EC1V 2NX, United Kingdom

Telephone: +44 (0)151 345 6753  
email: enqs@abbottanalytical.co.uk  
www.abbottanalytical.co.uk

A company registered in England and Wales  
Company number 10031406