



Abbott Analytical



Consulting Scientists to the Disinfectant Industry

Certificate of Analysis

Product name: CreBiSol X10

Batch or ref no:

Manufacturer or supplier: Creative Biocidal Solutions Ltd.
Balbriggan Business Campus, Balbriggan, Co Dublin,
Republic of Ireland

Sample ref: 15D/071 **Date received:** 9 April 2015

Date tested: 10 April 2015 **Certificate date:** 13 April 2015

Certificate no: 15D.071ICd2.HIP **Page:** 1 of 3

Analysis required: EN 13704:2002, Chemical disinfectants - Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in human medicine, veterinary field, and food, industrial, domestic and institutional areas - Test method and requirements (phase 2, step 1)

Storage conditions: Room temperature

Appearance of product (solution): Clear colourless liquid

Active substance(s) and their concentration(s): Not declared

Notes:

* Re-issued 5 May 2015 with amended brand name.

The test results in this report relate only to the sample(s) tested.
This test report may not be reproduced except in full, without written approval from Abbott Analytical.

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Date: 13 April 2015

Page: 2 of 3

Experimental conditions:

| | |
|--|--|
| Concentration(s) of product tested: | 1:20 & 1:50 v/v |
| Product diluent: | Sterile hard water (300mg/l CaCO ₃) |
| Test organism(s): | <i>Clostridium difficile</i> (NCTC 11209) |
| Contact time(s): | 60 minutes |
| Test temperature: | 20°C ± 0.5°C |
| Test conditions: | Dirty |
| Interfering substance: | 3.0g/l bovine albumin |
| Neutralising solution: | 30g/l Polysorbate 80 + 3g/l Lecithin + 1g/l L-histidine + 1g/l L-cysteine |
| Incubation temperature: | 37°C ± 1°C |

Conclusion:

When tested at concentrations of 1:20 and 1:50, this sample of CreBiSol X10 passes the requirements of of EN 13704:2002 for sporicidal activity in 60 minutes at 20°C under dirty conditions against *Clostridium difficile* (NCTC 11209).

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Date: 13 April 2015

Page: 3 of 3

Results: Clostridium difficile (NCTC 11209)

| Validation tests | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|
| Spore suspension | Experimental conditions | Neutraliser toxicity | Dilution-neutralisation |
| Vc: 85 ; 73 | Vc: 91 ; 64 | Vc: 80 ; 66 | Vc: 71 ; 58 |
| Nv: 7.9 x10 ² | Nv: 7.8 x10 ¹ | Nv: 7.3 x10 ¹ | Nv: 6.5 x10 ¹ |

| Spore test suspension | Test procedure at | |
|------------------------------|---|---|
| | Contact time 60 mins Test conc. 1:20 v/v | Contact time 60 mins Test conc. 1:50 v/v |
| 10 ⁻⁴ : 134 ; 158 | Vc: 0 ; 0 | Vc: 5 ; 3 |
| 10 ⁻⁵ : 17 ; 23 | Na: < 1.5 x10 ² | Na: < 1.5 x10 ² |
| N: 1.5 x10 ⁶ | R: > 1.0 x10 ³ PASS | R: > 1.0 x10 ³ PASS |

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