

Test Report BS EN 13623:2020

Chemical disinfectants and antiseptics — Quantitative suspension test for the evaluation of bactericidal activity against *Legionella* of chemical disinfectants for aqueous systems — Test method and requirements (phase 2, step 1)

Client Details: SWS Distribution Ltd
Client Contact Name: Emma Gibson
Client Email: eg@synthesis-ws.com
Purchase Order Number: N/A

Date Of Report: 06/07/23

Melbec Reference Number: 56383
No. of samples: 1

Date of Test: 29/06/2023

Sample Details:

Name of Product: **Klarolaks**
Sample upon receipt: Satisfactory
Batch Number: 600259
Manufacturer / Supplier: TER UK Ltd
Product Storage conditions: Ambient
Active substance: Chlorine dioxide; active chlorine
Product Dilutions/Concentrations and Diluent: 83ppm, 60ppm, 50ppm, and 40ppm diluted in buffered ferrous hard water

Obligatory Conditions of EN 13623 for Bactericidal Activity in Cooling Water:

Interfering Substance: Yeast Extract (final concentration in the test is 0.0005%)
Test Temperature: 30°C
Contact Time: 60 mins or 15 hours
Test Organisms: *Legionella pneumophila* NCTC 11192
Incubation Temperature: 36°C or 37°C

Experimental Conditions:

Interfering Substance: Yeast Extract (final concentration in the test is 0.0005%)
Test Temperature: 30°C
Contact Time: 60 mins
Test Organisms: *Legionella pneumophila* NCTC 11192
Incubation Temperature: 36°C
Method of Neutralisation: Membrane Filtration using Rinsing Diluent without Tween 80 but with added Sodium Thiosulphate

Requirements of the standard:

The product shall demonstrate at least a 4 lg reduction when diluted with buffered ferrous hard water and tested under the obligatory conditions.

Conclusion:

The test product, Klarolaks, at the 83ppm, 60ppm and 50ppm concentration, met the log reduction requirements as specified in EN 13623 (4 lg) with a contact time of 60 minutes for *Legionella pneumophila* NCTC 11192.

Report authorised by:



Liam Stephens
Technical Manager