

Certificate of Analysis

Dated: 07/11/2017

CLIENT: Hydro Ecotech PTY LTD UNIT 1, 63-79 Parramatta Rd Silverwater 2128	REF NO: 1728002
ATTN: Stephen Kwan	ORDER NO: Not given
SAMPLE DESCRIPTION: 1 x 1L Hekleen Super Alkaline Water Batch: Sample 3	DATE RECEIVED: 24/10/2017 DATE COMMENCED: 30/10/2017

EXAMINATION: Anti-microbial Activity Challenge Test (Time-Kill Study)

METHOD: TMD 110

CONDITIONS:

Test organisms:	<i>Legionella pneumophila</i>	ATCC 33152
Test Concentration:	Neat	
Contact Time:	1 minute	
Neutraliser:	T6 1:10	
Test Conditions:	Dirty conditions	
Test Temperature:	Ambient (20±2°C)	

RESULTS:
Table 1: Surviving organisms after exposure to Hekleen Super Alkaline Water

Contact Time	Inoculum count		Hekleen Water – Sample 3	
	CFU/mL (Log ₁₀)	Log ₁₀	CFU/mL (Log ₁₀)	Log Red.
1 minutes				
<i>L.pneumophila</i>	6.25 x 10 ⁵	[5.80]	<100 <[2.00]	>3.80

CFU = Colony Forming Unit

pH = 12.5 -12.6

COMMENTS:

 The sample "Hekleen Super Alkaline Water – Sample 3" has shown greater than 3 log reduction against *L.pneumophila* when tested under conditions described above.

Signed:


Teresa Susanto, BSc.,
 Project Team Leader, Sterile Products Testing

Reference No: 1728002

THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL

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