

Certificate of Analysis

Dated: 26/03/2018

CLIENT: Hydro Ecotech PTY LTD UNIT 1, 63-79 Parramatta Rd Silverwater 2128	REF NO: 1810005
ATTN: Stephen Kwan	ORDER NO: Not given
SAMPLE DESCRIPTION: 1 x 500mL Hekleen Super Alkaline Water Batch: A	DATE RECEIVED: 08/03/2018 DATE COMMENCED: 21/03/2018

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

METHOD: TMD 110

CONDITIONS:
Test organisms: *Listeria monocytogenes* ATCC 19114

Test Concentration: Neat
Contact Time: 1 minute
Neutraliser: T6 1:10
Test Conditions: Clean conditions
Test Temperature: Ambient (20±2°C),
pH: 13.42


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

Contact Time	Inoculum count		Hekleen Water – Batch A	
	CFU/mL (Log ₁₀)	Log ₁₀	CFU/mL (Log ₁₀)	Log Red.
1 minutes				
<i>L. monocytogenes</i>	2.90 x 10 ⁶	[6.46]	10 [1.00]	5.46

CFU = Colony Forming Unit

COMMENTS:

 The sample "Hekleen Super Alkaline water – Batch A" has shown greater than 5 log reduction against *Listeria monocytogenes* when tested under conditions described above.

Signed:

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

Reference No: 1810005

THIS REPORT MUST NOT BE REPRODUCED EXCEPT IN FULL

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