

**ALS Food & Environmental NZ**

Ruakura Research Centre  
10 Bisley Road, Hamilton 3214, New Zealand  
T: +64 7 974 4740  
E: ALSFood.Hamilton@alsglobal.com



## CERTIFICATE OF ANALYSIS

Health Harvest Food Limited  
Workshop 13, 10/F, Blk F, Golden Bear Industrial Centre  
Street, Tsuen Wan  
Attention: Jenny Choi  
Phone: +852-92258280  
Email: jenny@healthharvestfood.com

Lab Reference: 25-00323  
Submitted by:  
Date Received: 8/01/2025  
Testing Initiated: 20/01/2025  
Date Completed: 20/01/2025  
Order Number:  
Reference:

### Report Comments

Samples were collected by yourselves (or your agent) and analysed as received at ALS NZ (or at the subcontracted laboratories, when applicable).  
Samples were in acceptable condition unless otherwise noted on this report.  
Specific testing dates are available on request.  
The original report (with accreditation, where applicable) can be provided on request.

### Results Summary

#### Microbiology for Honey

Laboratory ID	Sample ID	Total Activity
	<i>Units Reporting Limit</i>	% phenol eq. 9
25-00323-9	Tualang Honey	21.1

Microbiology for Honey Approver:

Coba Claassen  
Customer Care Specialist

## Method Summary

### Total Activity

Determination of Total Antimicrobial Activity in Honey: Samples were analysed as received by the laboratory by using University of Waikato agar well diffusion method for the assay of antibacterial activity of honey (Allen K. L., Molan P. C. and Reid G. M. (1991) Journal of Pharmacy and Pharmacology V. 43, P. 817-822)

The method specifically measures total antibacterial activity of honey against *Staphylococcus aureus* ATCC 9144 and expressed as the equivalent % of phenol. Calibration is carried out using phenol standards.

The calculations are based on assumed density of 1.35 g/mL for this sample of honey. This value represents an average density of honey obtained from multiple experiments.

Testing was subcontracted out to CAIQTEST (Pacific) Ltd.