



Certificate of Analysis

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Lab Reference: 24-31860
Submitted by:
Date Received: 15/10/2024
Testing Initiated: 16/10/2024
Date Completed: 30/10/2024
Order Number:
Reference:

Report Comments

Samples were collected by yourselves (or your agent) and analysed as received at Analytica Laboratories (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.

Results Summary

Client Sample ID			5027486
Laboratory ID			24-31860-7
Analyte	Unit	Reporting Limit	Result
Microbiology for Honey			
Total Activity	% phenol eq.	9	52.6
Non-Peroxide Activity	% phenol eq.	9	<LOQ

Matthew Lewis, BSc.
Business Development

Alicia Laing, BSc.
Technician

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.

Non-Peroxide Activity

Testing was subcontracted out to CAIQTEST (Pacific) Ltd via Well Diffusion Assay.