

Honey Testing

Eurofins is New Zealand's leading Honey testing laboratory, with a long history and strong connection with the University of Waikato's Honey Research Unit.

Eurofins Hamilton is the only independent commercial laboratory that can offer the Determination of Total and Non Peroxide Activity of honey samples by the Bioassay method as an IANZ accredited test, and the only laboratory in New Zealand approved to issue UMF™ branded results using the Bioassay method.

Eurofins has highly qualified technical staff that can provide interpretation and technical support along with a strong customer service focus.



Eurofins Testing Range Offered to Honey Producers

- Total and Non-Peroxide Activity
- UMF™ activity claims
- Hydroxy Methyl Furfural (HMF)
- General Microbiology and Pathogen testing (OMAR requirements)
- Water Testing (NZFSA requirements)
- Codex Standard for Honey 12-1981
- Diastase and Invertase activity
- True Honey Density
- Nutritional Labelling
- Environmental Condition Testing
- Preservative Efficiency Testing
- Heavy Metal Testing
- Antioxidant activity of honeys

Further testing options are available. Please contact the laboratory to discuss your chemical or microbiological testing needs.

Eurofins can test a variety of sample types containing honey:

- Plain honey sample* (creamed, honey dew, clover)
- Retail Product Honey* (label claims)
- Honey with additive (e.g. flavouring, Tea tree extract)
- Lozenges and Tablets
- Royal Jelly and Manuka honey
- Throat Spray, Toothpaste, other pharmaceutical and nutraceutical products
- Other honey products

Please note that accredited reports are only issued for pure honey samples (marked *).

Contact:

Eurofins New Zealand

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Honey Antibacterial Activity Test

The test suite includes:

- Total Activity – measures all the activity including activity due to hydrogen peroxide. Total Activity is non-specific for a honey type, with the hydrogen peroxide portion being susceptible to destruction by heat and light
- Non-Peroxide Activity – is measured only after the hydrogen peroxide has been removed. Non-peroxide activity is attributed to Manuka Honey, and is a lot less affected by outside factors such as light and moderate heat.

Both Activities are measured and expressed as equivalent to % phenol.

The original testing method referred to as 25% standard uses a 25% solution of honey. This method is applied for determining activities equal to, or greater than 8.2 % phenol.

The 50% alternative method uses a 50% solution of honey. It is designed only for determining low activity levels equal to, or greater than 4.1 % phenol.

The Non-Peroxide Activity test is the equivalent testing to determine the UMF™ activity. The UMF™ brand certificate can only be issued:

- For a result of greater than 5 % phenol
- For results that don't show partial inhibition
- For members of UMFHA with the permission of the brand owners



Contact:

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Chinese Food Safety Standard for Honey GB14963-2011

All Honey, whether local or imported, SOLD in China as food, must meet the requirements of the China Food Safety Standard for Honey - GB14963-2011.

Eurofins Hamilton has developed a **customised suite of Microbiological and Chemical tests** that meet the requirements of this standard.

Please inquire for further details.

Eurofins holds several nationally and internationally recognised accreditations and approvals including:

- IANZ accreditation - NZS/ISO/IEC 17025 standard
- NMD and LAS accreditation for the Meat Industry Testing
- USFDA approval - shellfish and marine water testing
- Ministry of Health Drinking water laboratory
- Approved MPI Transitional Facility

Eurofins

Totally Independent – Truly Global

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