



THE UMF GRADING SYSTEM  
APPRAISES NATURAL MARKERS  
FOUND IN MANUKA HONEY AND  
ASSURES PURITY AND QUALITY



Unique Mānuka Factor™  
Honey Association

# UMF® CERTIFICATE

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<b>UMF LICENSEE</b>  BeeNZ Ltd 85 Tetley Road Katikati, 3178 License No: 2188	<b>TESTING LABORATORY</b>  Analytica Laboratories Ltd Ruakura Research Center 10 Bisley Road Hamilton, 3214  
Lab Ref: 19-12927-1 <hr/> Date Received: 17.04.2019 <hr/> Date Reported: 19.04.2019 <hr/>	

## BATCH INFORMATION

SAMPLE ID	BATCH NO.
19BNZ	19BNZ

## UMF GRADING BASED ON LABORATORY TEST RESULTS

FLORAL DESCRIPTOR <small>PER CODEX ALIMENTARIUS</small>	UMF GRADE
<b>Manuka</b>	<b>29.2</b>

## LABORATORY TEST RESULTS

Leptosperin mg/kg	Dihydroxyacetone (DHA) mg/kg	Methylglyoxal (MG) mg/kg	Hydroxymethylfurfural (HMF) mg/kg
1864	1903	1550	37

## ANALYSTS COMMENTS

BeeNZ Ltd

Scan to view certificate and information on UMF grading to interpret your report results.

<https://umfha-certification.org/C255894633>



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## Certificate of Analysis

Date	22/01/2020
Honey Type	Manuka Honey
Manufacturer Date	15/08/2019
Batch Number	19BNZ
Grade	UMF 29+
Best Before	1/08/2024
Jar Sizes	250g



Parameter	Composition	Results
<b>Appearance</b>	Medium cream to medium brown	Complies
<b>Physical</b> Foreign matter(micron):	200 micron filtration	Complies
<b>Organoleptic</b> Aroma: Flavour:	Damp earth, Mineral Tangy, slightly bitter, mineral	Complies Complies
<b>Chemical</b> Tutin: Moisture: Hydroxymethylfural:	$\leq 0.70$ mg/kg $\leq 20\%$ $\leq 40$ mg/kg	Complies 18.5 37
<b>Microbiological</b> UMF Methylglyoxal	MG (mg/kg)	29.2 1550

	Average per serving	Average per 100g
Energy	140 kJ	1400 kJ
Protein	Less than 1g	Less than 1g
Fat (total)	Less than 1g	Less than 1g
Carbohydrate	8.15g	81.5g
Sodium	0.51mg	5.11mg

Honey must be stored at  $\leq 25^{\circ}\text{C}$  and avoid direct sunlight at all times

Julie Hayes  
Director  
BeeNZ Limited  
Katikati, New Zealand

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