



UNIVERSITI MALAYSIA TERENGGANU

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SAMM 976

SIJIL LAPORAN ANALISA SAMPEL

Job No : 2026\E003

Customer Name : ██████████

Phone No : ██████████

Email Address :

Address : ██████████

Date Received : 30/04/2026

Date Issued : 18/05/2026

Analysis Period : 12 Days

DISCLAIMER:

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SIJIL LAPORAN ANALISA SAMPEL

Job No : 2026\E003
ID : 001_001
Client Batch Number : 26-A-01
Parameter/ Testing Date : SUGAR : 05/05/2026
 : MOISTURE : 04/05/2026
 : PH : 05/05/2026
 : HYDROXYMETHYLFURFURAL : 04/05/2026
 : FREE ACIDITY : 05/05/2026
 : DIASTASE : -
 : ASH : 14/05/2026
Test Method : As Stated
Environmental Condition : Room Temperature : 21°C -27°C
 : Humidity : 40-70 % rH
Sample Type : Raw Honey / Processed Honey / Unknown
Reference Standard Used : QCM FAPAS

Reference Equipment and traceability

High Performance Liquid Chromatography
Analytical Balance: NMIM(MY)

Result

Parameter	Result	Test Method
Fructose (g/100g)	25.9	Annex B (MS 2683: 2017)
Glucose (g/100g)	22.9	Annex B (MS 2683: 2017)
Sucrose (g/100g)	0.2	Annex B (MS 2683: 2017)
Maltose (g/100g)	4.7	Annex B (MS 2683: 2017)
*Ash (g/100g)	0.22	Annex C (MS 2683: 2017)
Hydroxymethyl Furfural (mg/kg)	N/D	Harmonised Method of the International Honey Commission 2009 (5.2)
pH Value	3.29	Harmonised Method of the International Honey Commission 2009 (4.1)
Moisture for Honey (%)	28.4	In- house Method PPPL/CH-001 based on Atago Instruction Manual Cat No. 4422
Free Acidity (meq/kg)	170.86	Harmonised Method of the International Honey Commission 2009 (4.1)
Diastase (DN)	-	In- house Method PPPL/CH -002 based on Phadebas Honey Diastase Test: 2021

Remarks:

- Sample tested as received from customer.
- Analysis sugar based on retention time (RT) between sample & standard .Detected: RT within 3%
- Sugar LOD/LOQ
Fructose LOD: 0.08 (g/100g); Fructose LOQ:0.23 (g/100g)
Glucose LOD: 0.15 (g/100g); Glucose LOQ:0.45 (g/100g)
Sucrose LOD: 0.05 (g/100g); Sucrose LOQ: 0.15 (g/100g)
Maltose LOD: 0.04 (g/100g); Maltose LOQ: 0.12 (g/100g)
Remark as Not Detected (N/D) if the reading value lower than Sugar LOD/LOQ
- Atago Specification: 12-30% of moisture reading.
Remark as Not Available N/A if reading value less than 12% or exceed than 30%
- HMF - LOD (4.77mg/kg); LOQ (14.46mg/kg)
Remark as Not Detected (N/D) if the reading value lower than HMF LOD/LOQ

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6. Ash Analysis: * Sample tested not SAMM accredited

<p>Reviewed by MUHAMMAD ZULHILMI BIN RAMLEE 18/05/2026</p>	<p>Approved By: NOR ATIYYAH BINTI MOHAMED IKM NO: M/4339/7232/15 18/05/2026</p>
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