



**T.C.**  
**TARIM ve ORMAN BAKANLIĞI**  
**MRL ÖZEL GIDA KONTROL LABORATUVARI**  
(TURKISH REPUBLIC MINISTRY OF AGRICULTURE AND FORESTRY  
MRL PRIVATE FOOD CONTROL LABORATORY)  
**MUAYENE VE ANALİZ RAPORU**  
(ANALYSIS REPORT)



Test  
TS EN ISO/IEC 17025  
AB-0184-T

AB-0184-T

11902461

27.02.2019

Tarih (Date) : 27.02.2019

Rapor No (Report No) : 11902461

**Analiz Amacı** (Reason of Analysis) : ÖZEL İSTEK (PRIVATE REQUEST)  
**Numuneyi Gönderen / Adres** (Sample sent by / Address) : MND KAHVALTILIK GIDA SAN TİC.A.Ş./ANKARA  
**Numune Alma Tutanağının Tarihi / Sayısı** (Date and Number of Sampling Protocol) : - / -  
**Numunenin** (Sample's)  
**Cinsi** (Type) : Bal (Süzme) (Honey)  
**Miktarı/Adedi** (Amount/Pieces) : 672 g  
**Ambalajı** (Package) : Kapaklı Cam Kavanoz (Covered Glass Jar)  
**Seri No / Parti No / Mühür No** (Serial No / Lot No / Seal No) : - / 25 / -  
**Üretici-Firma Adı / Kodu** (Producer-Firm Name / Code) : - / -  
**Marka** (Brand) : -  
**Üretim ve Son Kullanma Tarihi** (Production and Expire Date) : - / -  
**Alındığı Yer ve Tarih** (Location and Date of Sampling) : - / -  
**Numuneyi Alan** (Sample taken by) : Tuğba Ersoy  
**Numune Kod Numarası** (Sample Code Number) : 25  
**Analiz Başlama ve Bitiş Tarihi** (Date of Beginning and End of Analysis) : 25.02.2019 / 27.02.2019  
**Laboratuvara Geliş Şekli ve Tarihi** (Delivery of sample / Date of receipt) : Kargo (by Cargo) / 25.02.2019 11:43

Yapılan Analizler (Analyses)	Sonuç/Ölçüm Belirsizliği (Result/Uncertainty)	Ölçüm Limiti (LOQ)	Birim (Unit)	Geri Kazanım (Recovery)	Analiz Metodu (Analyses Method)
Nem(Rutubet) (Moisture) <sup>1</sup>	16.68		%		IHC, S.09-11
Diastaz Sayısı (Number Of Diastase) <sup>1</sup>	15.0				IHC, S.38-40
Elektriksel İletkenlik (Electrical Conductivity)	0.77		ms/cm		IHC, S.15-17
Prolin (Prolin) <sup>1</sup>	435.7		mg/kg		IHC, S.58-59
pH	4.35				IHC, S.20-22
Serbest Asitlik (Free Acidity)	24.7		meq/kg		IHC, S.20-22
HMF (Hydroxymethylfurfural) <sup>1</sup>	14.3	1.0	mg/kg		IHC, S.25-27
Delta C13 Değerleri ve C4 Şekeri (Delta C13 value and C4 Sugars) <sup>1</sup>					AOAC 998.12
C4 Şekerleri Oranı (C4 Sugars Ratio)	2.7		%		
C13 Değerleri Arasındaki Fark (Differences Between C13 Values)	-0.41		‰		
Delta C13 Protein (Delta C13 Proteins)	-24.82		‰		
Delta C13 Ham Bal (Delta C13 Raw Product)	-24.40		‰		
Şeker Kompozisyonu (Sugar Composition) <sup>1</sup>					AOAC 977.20
Fruktoz (Fructose)	35.0		g/100 g		
Glukoz (Glucose)	32.1		g/100 g		
Maltöz (Maltose)	Tespit Edilemedi (Not Detected)	0.5	g/100 g		
Sakkaroz (Sucrose)	Tespit Edilemedi (Not Detected)	0.5	g/100 g		
Fruktoz/Glukoz (Fructose/Glucose)	1.09				
Fruktoz+Glukoz (Fructose+Glucose)	67.1		g/100 g		

**Not: 5070 sayılı Elektronik İmza Kanunu gereği elektronik imza ile imzalanmıştır.**

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Yapılan muayene ve analiz sonucunda yukarıda belirtilen değerler tespit edilmiştir. (Above-mentioned values have been determined from examinations and analysis.)  
Deneysel laboratuvarı olarak faaliyet gösteren MRL Merkez Kalıntı Araştırma Laboratuvarı, TÜRKAK'tan AB-0184-T ile TS EN ISO/IEC 17025:2012 standardına göre akredite edilmiştir. Geçici, gezici tesis veya müşteri tesislerinde faaliyet alanı bulunmamaktadır. (MRL Central Research and Control Laboratory is accredited by TURKAK under registration number AB-0184-T for TS EN ISO/IEC 17025:2012 as testing laboratory. No activity is performed at sites away from permanent facility, in associated temporary or mobile facilities or at a customer's facility.)

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- LOQ: Minimum Ölçüm Limiti (LOQ: Limit Of Quantitation)

## Açıklamalar (Description)

<sup>1</sup>:Bu analiz akreditasyon kapsamındadır. (This analyze covered by accreditation.)

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27.02.2019

**Tasdik Olunur** (Approved by)  
**Laboratuvar Müdürü** (Laboratory Manager)  
**Gıda Yüksek Mühendisi** (Food Engineer M.Sc.)  
**ORHAN GÖZEN**

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