

CERTIFICATE OF ANALYSIS

HABBATUS SAUDA FLOWER HONEY

BATCH CT210521

sihaté

LAST UPDATE: 14 NOVEMBER 2021

CERTIFICATE OF ANALYSIS SGS




TEST REPORT: HNSA/210961838-AF49612 **REPORTED DATE:** 17-September-2021

CUSTOMER: HERBLISS (M) SDN BHD
 LOT 2931, TINGKAT BAWAH (B), WISMA AZCO,
 JALAN SULTAN YAHYA PETRA,
 KUBANG KERIAN,
 16150 KOTA BAHRU, KELANTAN, MALAYSIA.

The following sample(s) was/were submitted and identified by applicant as:

SAMPLE MARKING : HABBATUS SAUDA FLOWER HONEY - BATCH CT210521
SAMPLING DATE : -
SAMPLE DESCRIPTION : ONE (1) SAMPLE OF FOOD PRODUCT
CUSTOMER REF. : -
SAMPLE ID : AF49612
SGS JOB NO. : H&N / 2021-08-04-004
SAMPLE CONDITION : AMBIENT
SAMPLE RECEIVED : 04-August-2021
TESTING PERIOD : 04-August-2021 to 11-August-2021
TEST RESULTS : -PLEASE REFER TO NEXT PAGE(S)-
NOTES : -N.D. = Not Detected

SIGNED FOR AND ON BEHALF OF
 SGS (MALAYSIA) SDN BHD


 LOW ZHEN HUI
 MULTI-BUSINESS LABORATORY MANAGER
 FOOD ANALYST NO. MJMM0178

Test Report Form No.: SGS/TR/HN/001, Ver: 1.0, Effective Date: 10/02/2021

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SGS (Malaysia) Sdn.Bhd. | Lot 4, Persiaran Jubli Perak, Seksyen 22, 40300 Shah Alam, Selangor Darul Ehsan, Malaysia.
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TEST REPORT: HNSA/210961838-AF49612 **REPORTED DATE:** 17-September-2021

CUSTOMER : HERBLISS (M) SDN BHD
SAMPLE ID : AF49612 - HABBATUS SAUDA FLOWER HONEY - BATCH CT210521
TEST RESULTS :

TEST PARAMETER	TEST METHOD	RESULT	UNIT
Free Acidity	AOAC 962.19	39.6	meq/kg
Hydroxymethylfurfural	AOAC 980.23	3.21	mg/100g
Fructose	In-house method SGS-TM-FOOD-104 with reference to AOAC 980.13, AOAC 2018.16 & Journal of Pharmaceutical Sciences and Research, Vol 9(8),2017,1263-1269	37.16	%
Glucose	In-house method SGS-TM-FOOD-104 with reference to AOAC 980.13, AOAC 2018.16 & Journal of Pharmaceutical Sciences and Research, Vol 9(8),2017,1263-1269	24.30	%
Sucrose	In-house method SGS-TM-FOOD-104 with reference to AOAC 980.13, AOAC 2018.16 & Journal of Pharmaceutical Sciences and Research, Vol 9(8),2017,1263-1269	4.81	%
pH at 25°C	In-house method, CL-TM-01-064, based on AOAC 945.42, AOAC 943.02, AOAC 940.23, AOAC 970.21, AOAC 945.27, AOAC 945.10 (2005)	4.2	-
Chloramphenicol	In-house method, SGS-TM-01-057, based on Journal of Chromatography B, Vol. 791, Issues 1-2, Page 31 - 38	N.D.(<0.1)	µg/kg

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Test Report Form No.: SGS/TR/HN/001, Ver: 1.0, Effective Date: 10/02/2021

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RapidRAW Honey Analysis

This report is generated for client as below

HERBLISS SDN BHD

Date of test: 28 October 2021

T: 0389267446 DD: - E: azfajo@nibm.my, razif@nibm.my, aziramuhamad@nibm.my



Executive Summary

RapidRAW™ is a new method developed to rapidly precipitate a biological material, mainly proteins from water based solution. The method, when applied to raw and pure honey samples, will form a precipitate which then proved to be a mixtures of protein and carbohydrate. The same method when applied to sugar concoction somehow fail to form a precipitate. The different reactions somehow, which when performed on fake honey suggesting a missing content of biological material, thus making it possible to differentiate this two products.

RapidRAW™ adalah satu kaedah baru yang dibangunkan untuk memendakkan bahan biologi, terutamanya protein daripada larutan berasaskan air. Kaedah ini, apabila digunakan untuk sampel madu mentah dan asli, akan membentuk mendakan yang kemudiannya terbukti menjadi campuran protein dan karbohidrat. Kaedah sama apabila digunakan untuk campuran gula bagaimanapun, gagal untuk membentuk mendakan. Tindak balas berbeza (tiada mendakan) yang diperoleh daripada madu tiruan mencadangkan ketiadaan bahan biologi, sekali gus mampu membezakan produk madu asli dan tiruan

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RapidRAW Method of Detection

1. Use three (3) drops of sample in clean microtube.
2. Add five (5) drops of Reagent 1 (R1) to sample and mix until dissolve*(2R1).
3. Add seven (7) drops of Reagent AJ (R2) into mixture and mix for 5 seconds.
4. Let the tube stand in vertical position for 2 minutes to allow sedimentation.

1. Masukkan tiga (3) titis sampel ke dalam tiub mikro.
2. Tambah lima (5) atau sepuluh (10) titisan Reagent 1 (R1) dan goncang sehingga sampel larut.
3. Tambah tujuh (7) titisan Reagent AJ (R2) ke dalam campuran dan goncang selama 5 saat.
4. Biarkan tiub dalam kedudukan menegak selama 2 minit untuk membolehkan pendedapan berlaku.

RESULTS

Reaction Profiles

S4242 Organic Pine Honey 450g	S4243 Organic Bee Product Mix 330g	S4244 Habbatus Sauda Flower Honey 250g
✓	✓	✓
pH 3.92	pH 4.12	pH 4.16

Figure 1. RapidRAW reaction profiles

Sample S4242, S4243 & S4244 were tested show sediment for biological material. The positive sample should have resulted in a solid sedimentation after 2 minutes, similar to positive control, while the P and negative result, showed little to no trace of biological materials, similar with adulterated (mixture of authentic and sugar syrup), processed (over-filtered authentic honey) or negative control (control sugar syrup) (Figure 1, Table 1).

Therefore,

1. Sample S4242, S4243 & S4244 are classified as similar to raw honey profile.

Sampel S4242, S4243 & S4244 telah diuji mengandungi bahan biologi. Sampel positif sepatutnya menunjukkan pendedapan pepejal di dasar tiub selepas 2 minit, menyamai tindaklas seperti kawalan positif, manakala keputusan P dan negatif, menunjukkan kesan bahan organik yang sedikit sehingga tiada kesan, menyerupai hasil tindakbalas kawalan 'adulterated' (campuran asli dan sirap gula), madu proses (asli saringan) atau negatif (kawalan sirap gula) (Rajah 1, Jadual 1).

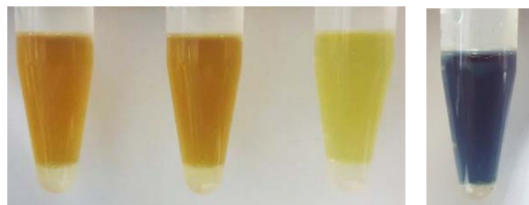
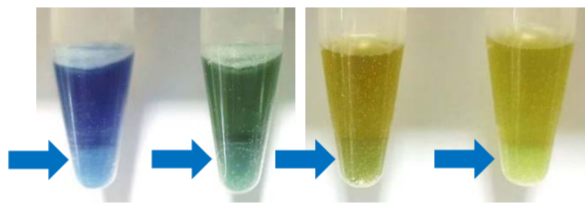

Oleh itu,

1. Sampel S4242, S4243 & S4244 dikelaskan sebagai menyamai profil kawalan madu mentah.

CERTIFICATE OF ANALYSIS INTERTEK İSTANBUL (TURKEY)



Table 1. Reaction profiles references

Sample	Profile
Negative control (✗) Indicator: Clear base, no sediment Explanation: No trace of biological material which usually found in raw honey	
Positive control (✓) Indicator: Solid base, with sediment Explanation: Contain trace of biological material which usually found in raw honey	
Processed Honey profile (P) Indicator: Clear base with foam Explanation: -Inconclusive for adulterated and processed (by excessive filtration) honey	

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-----End of Report-----

CERTIFICATE OF ANALYSIS INTERTEK İSTANBUL (TURKEY)



EGE ÜNİVERSİTESİ
İLAÇ GELİŞTİRME VE FARMAKOKİNETİK
ARAŞTIRMA & UYGULAMA MERKEZİ
ÇEVRE & GIDA ANALİZLERİ LABORATUVARLARI
BORNOVA/İZMİR

Sayı : -010.58-193097-1872
Konu : UMay HERBAL / UMay ARICILIK VE BİTKİSEL ÜRÜN. SAN. ve TİC.LTD.ŞTİ.
Sayın : 14.06.2021
T.C. TİCARET BAKANLIĞI İSTANBUL GÜMRÜK VE DİŞ TİCARET BÖLGE MÜDÜRLÜĞÜ AVRUPA YAKASI TİCARET DENETMENLERİ GRUP BAŞKANLIĞI
DİŞ TİC. KOMPLEKSİ D BLOK K.3 ÇOBAN ÇEŞME MEVKİİ SANAYİ CAD. YENİBOSNA BAHCELİEVLER / İSTANBUL

BAL ANALİZ BELGESİ / HONEY ANALYSIS CERTIFICATE

İLGİLİ RAPOR NO : 21007739 İLGİLİ RAPOR TARİHİ : 14.06.2021

MÜŞTERİ & NUMUNE BİLGİLERİ / INFORMATION OF CLIENT & SAMPLE	
Numuneyi Gönderen Kurum/Kuruluş/Kişi Adı / Customer Name	T.C. TİCARET BAKANLIĞI İSTANBUL GÜMRÜK VE DİŞ TİCARET BÖLGE MÜDÜRLÜĞÜ AVRUPA YAKASI TİCARET DENETMENLERİ GRUP BAŞKANLIĞI
Üretici Firma Adı/Kuruluş/Kişi Adı / Producer Name	UMAY HERBAL / UMay ARICILIK VE BİTKİSEL ÜRÜN. SAN. ve TİC.LTD.ŞTİ.
Adresi / Address	MEGA CENTER KOCATEPE MAH. YEMİŞ MEYDANI SOK. NO : 1 / 108 BAYRAMPAŞA / İSTANBUL
Parti No / Serial - Part Number	PARTİ SERİ NO: CT-210521/340097216-1-3, AMBALAJ NEVİ: CAM KAVANOZ, AMBALAJ ADEDİ: 4000ADET, TOPLAM AĞIRLIK: 1000KG NET
İhracatçı / İthalatçı Firma / Exporter / Importer Firm	UMAY HERBAL / UMay ARICILIK VE BİTKİSEL ÜRÜN. SAN. ve TİC.LTD.ŞTİ.
İhraç / İthal Edilecek Ülke / Export / Import Designation	MALEZYA / MALAYSIA
İhraç / İthal Edilecek Miktar / Export / Import Amount	1000KG NET
Ürün Grubu & Tipi / Sample Group & Type	ÇİÇEK BALI (ÇÖREKOTU BALI)
T.C. Kontrol Mühür Numarası / T.R. Control Seal Number	213

ANALİZ SONUÇLARI / RESULTS	
DELTA C13 HAMBAL / DELTA C13 (RAW PRODUCT)	-25.67 ‰
*PROTEİN BAL FARKI / DIFFERENCE OF PROTEIN-HONEY (Balda protein ve ham bal Delta C13 değerleri arasındaki fark)	-0.19 ‰
*C4 % ŞEKER / % C4 SUGAR (Balda protein ve ham bal Delta C13 değerlerinden hesaplanan C4 şekerleri oranı)	1.21 %
Diastaz Aktivitesi / Activity Of Diastase	18.0 ds
Elektiriksel İletkenlik / Electrical Conductivity	0.571 mS/cm
Hidroksimetilfurfural (HMF) / Hydroxymethylfurfural (HMF)	12.9 mg/kg
Nem / Moisture	17.2 %
Prolin / Proline	858.0 mg/kg
Serbest Asitlik / Free Acidity	30 meq/kg
Şeker Bileşenleri Analizi (Fruktoz-Glukoz-Sakkaroz-Maltoz) / Sugar Component Analysis (Fructose-Glucose-Sucrose-Maltose)	40.2 g/ 100g 30.0 g/ 100g Tespit Edilemedi / Not Detected Tespit Edilemedi / Not Detected
Fruktoz/Glukoz Oranı / Ratio of Fructose/Glucose	1.34
Fruktoz+Glukoz / Fructose+Glucose	70.2 g/ 100g

YORUM & GÖRÜŞLER / COMMENTS & REMARKS

TÜRK GIDA KODEKSİ BAL TEBLİĞİ'NE (TEBLİĞ NO: 2020/7) GÖRE UYGUNDUR. / THE RESULTS ARE SUITABLE FOR TURKISH FOOD CODEX (No: 2020/7).

*Çam balında bu kriter aranmaz

"ARGEFAR Laboratuvarları'na Kurum/Kuruluş/ Kişi tarafından gönderilen numuneye ilişkin bilgiler yukarıda tanımlanmaktadır. Analiz sonuçları yukarıda belirtilen numune için geçerlidir ve sonuçlar müşterinin beyan ettiği numune tanımına göre yorumlanmaktadır. Aksi durumlarda çıkabilecek anlaşmazlıklardan ARGEFAR Laboratuvarları sorumlu tutulamaz."

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Kimyager Serhan ÖZPOLAT

Fiziksel Analizler Laboratuvarı Birim Sorumlusu
Kimyager Uygur SOYDAM

Numune Kabul & Raporlandırma Birim Sorumlusu
Su Ürünleri Mühendisi Damla AYKAC

Mühür Tarih / Seal Date
Tasdik Olunur / Approved by
Laboratuvar Sorumlusu Müdürü / Laboratory Manager
Yük. Biyolog Tuğay KILIÇ

ARGEFAR İLETİŞİM BİLGİLERİ

ARGEFAR (E.Ü. İlaç Geliştirme ve Farmakokinetik Araştırma Uygulama Merkezi) Çevre & Gıda Analizleri Laboratuvarları Bornova/ İZMİR
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Sayfa/ Toplam Sayfa Sayısı : 1 / 1

L-ÇEG-R-F-04 07/04.05.2020

T.C. TARIM VE ORMAN BAKANLIĞI EGE ÜNİVERSİTESİ İLAÇ GELİŞTİRME VE FARMOKİNETİK ARAŞTIRMA & UYGULAMA MERKEZİ ÇEVRE & GIDA ANALİZLERİ LABORATUVARLARI ARGEFAR ÖZEL GIDA KONTROL LABORATUVARI BORNOVA/İZMİR	REPUBLIC OF TURKEY MINISTRY OF AGRICULTURE AND FORESTRY EGE UNIVERSITY CENTER FOR DRUG R & D AND PHARMACOKINETIC APPLICATIONS ENVIRONMENTAL & FOOD ANALYSIS LABORATORIES ARGEFAR PRIVATE FOOD CONTROL LABORATORY BORNOVA/İZMİR	Test TS EN ISO/IEC 17025 AB-0040-T AB-0040-T 21007739 06-21
Telefon / Phone +90 232 339 21 60	Faks / Fax +90 232 374 23 90	E-posta / E-mail cevregida@mail.ege.edu.tr
RESMİ İSTEK MUAYENE & ANALİZ RAPORU Formal Demand Inspection & Analysis Report		

Rapor No / Report Number : 21007739

Tarih / Date : 14.06.2021

MÜŞTERİ İSTEK BİLGİLERİ / CUSTOMER DEMAND INFORMATION	
Numuneyi Gönderen Kurum/Kuruluş/Kişi Adı / Customer Name	T.C. TİCARET BAKANLIĞI İSTANBUL GÜMRÜK VE DİŞ TİCARET BÖLGE MÜDÜRLÜĞÜ AVRUPA YAKASI TİCARET DENETMENLERİ GRUP BAŞKANLIĞI
Adresi / Address	DİŞ TİC. KOMPLEKSİ D BLOK K.3 ÇOBAN ÇEŞME MEVKİİ SANAYİ CAD. YENİBOSNA BAHCELİEVLER / İSTANBUL
Üretici Kurum/Kuruluş/Kişi Adı / Producer Name	UMAY HERBAL / UMay ARICILIK VE BİTKİSEL ÜRÜN. SAN. ve TİC.LTD.ŞTİ.
Adresi / Address	MEGA CENTER KOCATEPE MAH. YEMİŞ MEYDANI SOK. NO : 1 / 108 BAYRAMPAŞA / İSTANBUL
Analiz İstek Amacı / Aim of The Analysis	Resmî İstek-İhracat (Gıda)
İhracatçı Firma Adı / Exporter Firm	UMAY HERBAL / UMay ARICILIK VE BİTKİSEL ÜRÜN. SAN. ve TİC.LTD.ŞTİ.
İhraç Edilecek Ülke / The Name of the Country That The Product Was Exported	MALEZYA / MALAYSIA
İhraç Edilecek Miktar / The Amount That Was Exported	1000KG NET

NUMUNENİN ADI & TANIMI / NAME AND IDENTITY OF THE SAMPLE	
Adı / Cinsi / Name/ Type	ÇİÇEK BALI / FLOWER HONEY
Seri - Parti No / Serial - Part Number	PARTİ SERİ NO: CT-210521/340097216-1-3, AMBALAJ NEVİ: CAM KAVANOZ, AMBALAJ ADEDİ: 4000ADET, TOPLAM AĞIRLIK: 1000KG NET
Miktarı / Amount	1KG* 2
Ambalajı / Package	PLASTİK MÜHÜR CAM KAVANOZ / PLASTIC SEAL GLASS JARS
Üretim & Son Kullanma Tarihi / Production & Expire Date	-
Laboratuvara Kabul Tarihi & Saati / Sample Receipt Date & Time	10.06.2021 10:27
İlgili Yazının Tarihi & Sayısı / Date & Number of Related Document	09/06/2021, E-98552271-450-00064582546
Numune Alma Tutanağının Tarihi.- Sayısı / Date & Serial Number of Sampling Form	-
Numunenin Alındığı Yer, Adres ve Tarihi / Place, Date & Address of the Sampling	-
ARGEFAR Kodu / ARGEFAR Code	21F10001
Açıklamalar / Explanations	-

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BALDA C 13 ANALİZİ / C 13 ANALYSIS IN HONEY*	
ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS	
Analiz Başlangıç/Bitiş Tarihi/ Date of Beginning/ End of Analysis	10.06.2021 - 11.06.2021
Analiz Yöntemi/ Analysis Method	İŞLETME İÇİ METOT (ARG/L-ÇEG-AY-11-AOAC 998.12'den modifiye edilmiştir) / IN HOUSE METHOD (ARG/L-ÇEG-AY-11-modified from AOAC 998.12)
Kullanılan Cihazlar/ Instruments	EA-IRMS

SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** NTS/ LOQ
DELTA C13 PROTEİN / DELTA C13 (PROTEINS)	-25.86 ± 0.26 ‰	-	-
DELTA C13 HAMBAL / DELTA C13 (RAW PRODUCT)	-25.67 ± 0.26 ‰	-	-
PROTEİN BAL FARKI / DIFFERENCE OF PROTEIN-HONEY	-0.19 ‰	-	-
C4 % ŞEKER / % C4 SUGAR	1.21 %	-	-

DİASTAZ AKTİVİTESİ ANALİZİ / DIASTASE AKTIVITY ANALYSIS*			
ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS			
Analiz Başlangıç/Bitiş Tarihi/ Date of Beginning/ End of Analysis	10.06.2021 - 11.06.2021		
Analiz Yöntemi/ Analysis Method	TS 13364		
Kullanılan Cihazlar/ Instruments	SPEKTROFOTOMETRE		
SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** NTS/ LOQ
Diastaz Aktivitesi / Activity Of Diastase	18.0 ± 3.1 ds / dn	-	2.6 ds / dn

Kimyasal Analizler Laboratuvarı Birim Sorumlusu /
Chemical Analysis Laboratory Responsible of
Kimyager / Chemist Serhan ÖZPOLAT

Fiziksel Analizler Laboratuvarı Birim Sorumlusu /
Physical Analysis Laboratory Responsible of
Kimyager / Chemist Uygur SOYDAM

Numune Kabul & Raporlandırma Birim Sorumlusu /
Responsible of Sample Acceptance & Reporting Unit
Su Ürünleri Mühendisi / Aquaculture Engineer Damla AYKAC

Mühür & Yayımlandığı Tarih / Seal Date
Tasdik Olunur / Approved by
Laboratuvar Sorumlusu Müdürü / Laboratory Manager
Yük. Biyolog Tuğay KILIÇ

Sayfa/ Toplam Sayfa Sayısı : 1 / 1

1 / 3

CERTIFICATE OF ANALYSIS ARGEFAR (TURKEY)



	T.C. TARIM VE ORMAN BAKANLIĞI EGE ÜNİVERSİTESİ İLAÇ GELİŞTİRME VE FARMAKOKİNETİK ARAŞTIRMA & UYGULAMA MERKEZİ ÇEVRE & GIDA ANALİZLERİ LABORATUVARLARI ARGEFAR ÖZEL GIDA KONTROL LABORATUVARI BORNOVA/ İZMİR	REPUBLIC OF TURKEY MINISTRY OF AGRICULTURE AND FORESTRY EGE UNIVERSITY CENTER FOR DRUG R & D AND PHARMACOKINETIC APPLICATIONS ENVIRONMENTAL & FOOD ANALYSIS LABORATORIES ARGEFAR PRIVATE FOOD CONTROL LABORATORY BORNOVA/ İZMİR	AB-0040-T 21007739 06-21
	Telefon / Phone +90 232 339 21 60	Faks / Fax +90 232 374 23 90	E-posta / E-mail cevregida@mail.ege.edu.tr
	RESMİ İSTEK MUAYENE & ANALİZ RAPORU Formal Demand Inspection & Analysis Report		

Rapor No / Report Number : 21007739

Tarih / Date : 14.06.2021

ELEKTRİKSEL İLETKENLİK ANALİZİ / ELECTRICAL CONDUCTIVITY ANALYSIS*

ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS			
Analiz Başlangıç/Bitiş Tarihi/ Date of Beginning/ End of Analysis	: 10.06.2021 - 10.06.2021		
Analiz Yöntemi/ Analysis Method	: İHC METHODS		
Kullanılan Cihazlar/ Instruments	: KONDÜKTOMETRE / CONDUCTIVITY		

SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** NTS/ LOQ
Elektriksel İletkenlik / Electrical Conductivity	0.571 ± 0.017 mS/ cm	-	-

HMF (Hidroksimetilfurfural) Analizi/ HMF (Hydroxymethylfurfural) Analysis*

ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS			
Analiz Başlangıç/Bitiş Tarihi/ Date of Beginning/ End of Analysis	: 10.06.2021 - 10.06.2021		
Analiz Yöntemi/ Analysis Method	: İHC METHODS-HMF		
Kullanılan Cihazlar/ Instruments	: UV-VISIBLE SPECTROPHOTOMETER		

SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** NTS/ LOQ
Hidroksimetilfurfural (HMF) / Hydroxymethylfurfural (HMF)	12.9 ± 1.3 mg/kg	-	1.2 mg/kg

NEM ANALİZİ / MOISTURE ANALYSIS

ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS			
Analiz Başlangıç/Bitiş Tarihi/ Date of Beginning/ End of Analysis	: 10.06.2021 - 10.06.2021		
Analiz Yöntemi/ Analysis Method	: İŞLETME İÇİ METOT (ARG/L-ÇEG-AY-08) / IN HOUSE METHOD (ARG/L-ÇEG-AY-08)		
Kullanılan Cihazlar/ Instruments	: REFRAKTOMETRE		

SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** NTS/ LOQ
Nem / Moisture	17.2 ± 0.5 %	-	-

pH TAYİNİ / pH ANALYSIS*

ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS			
Analiz Başlangıç/Bitiş Tarihi/ Date of Beginning/ End of Analysis	: 10.06.2021 - 10.06.2021		
Analiz Yöntemi/ Analysis Method	: İHC METHODS- pH		
Kullanılan Cihazlar/ Instruments	: PH METRE / PH METER		

SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** NTS/ LOQ
pH	3.96 ± 0.03	-	-

PROLİN ANALİZİ / PROLINE ANALYSIS*

ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS			
Analiz Başlangıç/Bitiş Tarihi/ Date of Beginning/ End of Analysis	: 10.06.2021 - 11.06.2021		
Analiz Yöntemi/ Analysis Method	: İHC METHODS-PROLİN / IHC METHODS-PROLINE		
Kullanılan Cihazlar/ Instruments	: UV-VISIBLE SPECTROPHOTOMETER		

SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** NTS/ LOQ
Prolin / Proline	858.0 ± 137.3 mg/kg	-	5 mg/kg

SERBEST ASİTLİK ANALİZİ / FREE ACIDITY ANALYSIS*

ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS			
Analiz Başlangıç/Bitiş Tarihi/ Date of Beginning/ End of Analysis	: 10.06.2021 - 10.06.2021		
Analiz Yöntemi/ Analysis Method	: İHC METHODS-Serbest Asitlik / IHC METHODS- Free Acidity		
Kullanılan Cihazlar/ Instruments	: PH METRE / PH METER		

SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** NTS/ LOQ
Serbest Asitlik / Free Acidity	30 ± 5 meq/kg	-	-

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Responsible of Sample Acceptance & Reporting Unit
Su Ürünleri Mühendisi / Aquaculture Engineer Damla AYKAC

Mühür & Yayınlandığı Tarih / Seal Date
Tasdik Olunur / Approved by
Laboratuvar Sorumlusu-Müdürü / Laboratory Manager
Yük. Biyolog / MSc. Biologist Tunay KILIÇ

Analiz Raporu Sayfa/Toplam Sayfa Sayısı
Number / Total Number of Pages of the Analysis Report

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L-ÇEG-R-01 16/11.2019

	T.C. TARIM VE ORMAN BAKANLIĞI EGE ÜNİVERSİTESİ İLAÇ GELİŞTİRME VE FARMAKOKİNETİK ARAŞTIRMA & UYGULAMA MERKEZİ ÇEVRE & GIDA ANALİZLERİ LABORATUVARLARI ARGEFAR ÖZEL GIDA KONTROL LABORATUVARI BORNOVA/ İZMİR	REPUBLIC OF TURKEY MINISTRY OF AGRICULTURE AND FORESTRY EGE UNIVERSITY CENTER FOR DRUG R & D AND PHARMACOKINETIC APPLICATIONS ENVIRONMENTAL & FOOD ANALYSIS LABORATORIES ARGEFAR PRIVATE FOOD CONTROL LABORATORY BORNOVA/ İZMİR	AB-0040-T 21007739 06-21
	Telefon / Phone +90 232 339 21 60	Faks / Fax +90 232 374 23 90	E-posta / E-mail cevregida@mail.ege.edu.tr
	RESMİ İSTEK MUAYENE & ANALİZ RAPORU Formal Demand Inspection & Analysis Report		

Rapor No / Report Number : 21007739

Tarih / Date : 14.06.2021

SEKER BİLEŞENLERİ ANALİZİ / SUGAR COMPONENT ANALYSIS*

ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS			
Analiz Başlangıç/Bitiş Tarihi/ Date of Beginning/ End of Analysis	: 10.06.2021 - 14.06.2021		
Analiz Yöntemi/ Analysis Method	: İŞLETME İÇİ METOT (ARG/L-ÇEG-AY-15) / IN HOUSE METHOD (ARG/L-ÇEG-AY-15)		
Kullanılan Cihazlar/ Instruments	: HPLC-RID		

SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** NTS/ LOQ
Fruktoz+Glukoz / Fructose+Glucose	70.2 g/ 100g	-	-
Fruktoz / Fructose	40.2 ± 9.2 g/ 100g	-	2.5 g/ 100g
Glukoz / Glucose	30.0 ± 6.3 g/ 100g	-	-
Sakkaroz / Sucrose	Tespit Edilemedi / Not Detected	-	-
Maltos / Maltose	Tespit Edilemedi / Not Detected	-	-
Fruktoz/Glikoz Oranı / Fructose/Glucose Ratio	1.34	-	-

* Bu analiz akreditasyon kapsamındadır / This analysis is in scope of accreditation.
** Karar Kuralı Uygulanmamıştır. / The Decision Rule Was Not Applied.
*** Nicel Tayin Sınırı / Icel Tayin Sınırı

(Ölçüm belirsizliği tanımlanan analizlerde) Ölçüm belirsizliği %95 güven aralığındadır ve hesaplamada kullanılan kapsam faktörü (k) değeri 2' dir. / (When measurement uncertainty identified in the analysis) Measurement uncertainty is the 95% confidence interval and calculate coverage factor (k) value is 2.
Geril Kazanım oranı %70-%120 aralığındadır. / The rate of recovery range is %70-%120.
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Mühür & Yayınlandığı Tarih / Seal Date
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CERTIFICATE OF ANALYSIS ARGEFAR (TURKEY)



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ÖZEL İSTEK MUAYENE & ANALİZ RAPORU Private Demand Inspection & Analysis Report		
Rapor No / Report Number : 21007912		Tarih / Date : 18.06.2021

MÜŞTERİ İSTEK BİLGİLERİ / CUSTOMER DEMAND INFORMATION	
Numuneyi Gönderen Kurum/Kuruluş/Kişi Adı / Customer Name	:UMAY HERBAL / UYAY ARICILIK VE BİTKİSEL ÜRÜN. SAN. ve TİC.LTD.ŞTİ.
Adresi / Address	:MEGA CENTER KOCATEPE MAH. YEMİŞ MEYDANI SOK. NO : 1 / 108 BAYRAMPAŞA / İSTANBUL
Üretici Kurum/Kuruluş/Kişi Adı / Producer Name	:UMAY HERBAL / UYAY ARICILIK VE BİTKİSEL ÜRÜN. SAN. ve TİC.LTD.ŞTİ.
Adresi / Address	:MEGA CENTER KOCATEPE MAH. YEMİŞ MEYDANI SOK. NO : 1 / 108 BAYRAMPAŞA / İSTANBUL
Analiz İstek Amacı / Aim of The Analysis	:Özel İstek (Gıda)
NUMUNENİN ADI & TANIMI / NAME AND IDENTITY OF THE SAMPLE	
Adı / Cinsi / Name / Type	: ÇÖREK OTU BALI / BLACK CUMİN HONEY
Seri – Parti No / Serial – Part Number	: CT210521
Miktarı / Amount	: 300g.
Ambalajı / Package	: CAM KAVANOZ / GLASS JAR
Üretim & Son Kullanma Tarihi / Production & Expire Date	: -
Laboratuvara Kabul Tarihi & Saati / Sample Receipt Date & Time	: 11.06.2021 11:05
İlgili Yazının Tarihi & Sayısı / Date & Number of Related Document	: 10/06/2021
ARGEFAR Kodu / ARGEFAR Code	: 21F11004
Açıklamalar / Explanations	: -
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KLORAMFENİKOL KALINTI ANALİZİ (Bal) / ANALYSIS OF CHLORAMPHENICOL RESIDUE (Honey)*			
ANALİZ BİLGİLERİ / TEST INFORMATION/REMARKS			
Analiz Başlangıç/Bitiş Tarihi / Date of Beginning/ End of Analysis	: 11.06.2021 - 18.06.2021		
Analiz Yöntemi / Analysis Method	: İŞLETME İÇİ METOT (ARG/L-ÇEG-AY-12) / IN HOUSE METHOD (ARG/L-ÇEG-AY-12)		
Kullanılan Cihazlar / Instruments	: LC MS/MS		
SONUÇLAR / RESULTS			
Yapılan Analiz / Analysis	Sonuç / Result	** Sonuç / Result	*** CCa/ CCa
Kloramfenikol / Chloramphenicol	Tespit Edilemedi / Not Detected	-	0.26 µg/kg

* Bu analiz akreditasyon kapsamındadır. / This analysis is in scope of accreditation.

** Karar Kuralı Uygulanmamıştır. / The Decision Rule Was Not Applied.

*** Karar Limiti / Karar Limiti

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