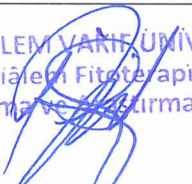
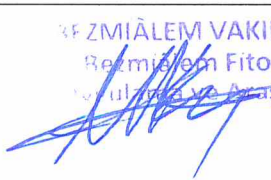


CUSTOMER INFORMATION		
Name	Onur ÇELİK	
Address	Goya Bitkisel Ürünler Ltd. Şti İstiklal Cad. No:21 Gökova Ula/Muğla	
Contact	+90 252 246 6161 - +90 533 211 9982	
e-Mail	onurcelik@goyabotanicals.com	
SAMPLE INFORMATION		
Sample	Myrtle (<i>Myrtus communis</i>) Hidrosolü	
Batch No	2019	
Delivery Date	Analysis Date	Report Date
22.01.2020	22.01.2020	23.01.2020
ANALYSIS METHOD		
METHOD Essential oils and hydrosol are analysed by GC-MS/FID system.		
GC-FID CONDITIONS System: Agilent 7890B GC Column: Agilent DB-WAX (60m x 0,25mm x 0,25 µm) Detector: FID (Flame Ionisation Detector) Injection Temperature: 220°C Detector Temperature: 220°C Temperature Programme: 70°C(15 min), 2°C/min → 180°C (5 min), 5°C/min → 230°C (15 min), Total 100 min Carrier Gas: 1,5 mL/min He Injection Volume: 1 µL Split Ratio: 50:1 FID Hydrogen: 30 mL/min FID Air: 400 mL/min		
GC-MS CONDITIONS System: 5977E Ion Source Temperature: 230°C Ionisation Mode: EI Electron Energy: 70 eV Membrane Temperature: 250°C Quadrupole Temperature: 150°C Scan Rate: 35-450 m/z Identification: Wiley 9-NIST 11 Mass Spectral Database		

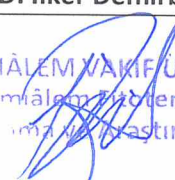
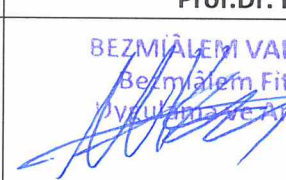
Analyzed by	Approved by
PhD. İlker Demirbolat	Prof.Dr. Murat Kartal
 BEZMİÂLEM VAKIF ÜNİVERSİTESİ Bezmialem Fitoterapi Eğitim Uygulama ve Araştırma Merkezi	 BEZMİÂLEM VAKIF ÜNİVERSİTESİ Bezmialem Fitoterapi Eğitim Uygulama ve Araştırma Merkezi

RESULTS

Essential Oil Composition of the Hydrosol

Goya Myrtle (<i>Myrtus communis</i>) Hydrosol Batch No:2019	
Compound	Amount
Diisopropyl Ketone	0,923
Isopropyl Ketone	0,435
Isobuthyl isobutyrate	0,390
1,8-Cineole	58,892
cis-Linalool Oxide	1,456
trans-Linalool Oxide	1,029
Linalool	10,972
Terpinene-4-ol	0,834
Alpha Terpineol	15,454
Myrtenol	6,309
Methyleugenol	1,112
Nerol	1,120
Geraniol	1,075

Essential oil composition is similar with myrtle (*Myrtus communis*) hydrosol.
Ethyl alcohol and preservatives are not detected.

Analyzed by	Approved by
PhD. İlker Demirbolat	Prof.Dr. Murat Kartal
 BEZMİÂLEM VAKIF ÜNİVERSİTESİ Bezmîâlem Fitoterapi Eğitim Uygulama ve Araştırma Merkezi	 BEZMİÂLEM VAKIF ÜNİVERSİTESİ Bezmîâlem Fitoterapi Eğitim Uygulama ve Araştırma Merkezi