

BITKİSEL TAKVİYE EDİCİ GİDALAR

VE

KALİTE

5 Aralık 2019

5 Aralık 2019  
ANKARA

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# Piyasadaki TEG çeşitleri

- o Vitamin (ler)
- o Mineral (ler) Vitamin+mineraller
- o **Bitki ve bitki ekstreleri**
- o **Vitamin + mineral + bitki + bitki ekstreleri**
- o Değişik maddeler ( *antioksidan, osteoartrite karşı , + bitki, b. eks.....* )
- o Zayıflama ürünleri ( *iştah kesici, yağ yakıcı + bitki b. eks... )*
- o Diğerleri (aa, prebiyotikler, probiyotikler...)



Bitkiden

droğa

**B**  
**i**  
**T**

## YABANI

- İklım—yağıř, sıcaklık...
- Topraktan gelen deęiřiklikler
- Çevre řartları -aęır metal kirlenmesi, radyoaktif yaęmur,...
- Böcekler, mikroorganizmalar.....

**A**

**K**  
**i**

## TARIM

- Pestisit,
- Herbisit
- Gübre

**A**

# Tabiat veya tarımdan

Açıkta, çuvalda  
Kamyon, traktör  
gemi

Hasat  
ve  
kurutma

Yağmur  
Toz, toprak  
Böcek, kemiriciler

ÜRETİCİ DEPOSU

SATIŞ DEPOSU

AKTAR !!  
ANALİZ ???



# Tarım







# HASAT







AREA  
358

AREA  
358

# *Cinnamomum zeylanicum*



Çin tarçını

Seylan tarçını

# *Cinnamomum cassia* - Çin Tarçını



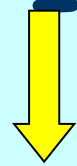
# Çin Tarçını



# BULAŞANLAR - KARIŞANLAR NE OLUYOR ?

- ❖ **Metal**
- ❖ **Taş, toprak**
- ❖ **Diğer bitkiler - pirolizidin alk ?**
- ❖ **Bitkinin istenmeyen kısımları**
- ❖ **Böcekler, larvaları ?**
- ❖ **Mikroorganizmalar ? Ve ürünleri ?**

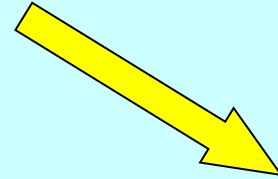
# FABRİKA - ATÖLYE



İŞLEME

ANALİZ!!!

Yabancı maddeler, böcek ?,  $\mu$ org



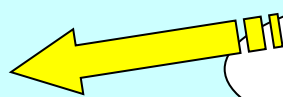
ekstre

PARÇALAMA



TEG

TOZ



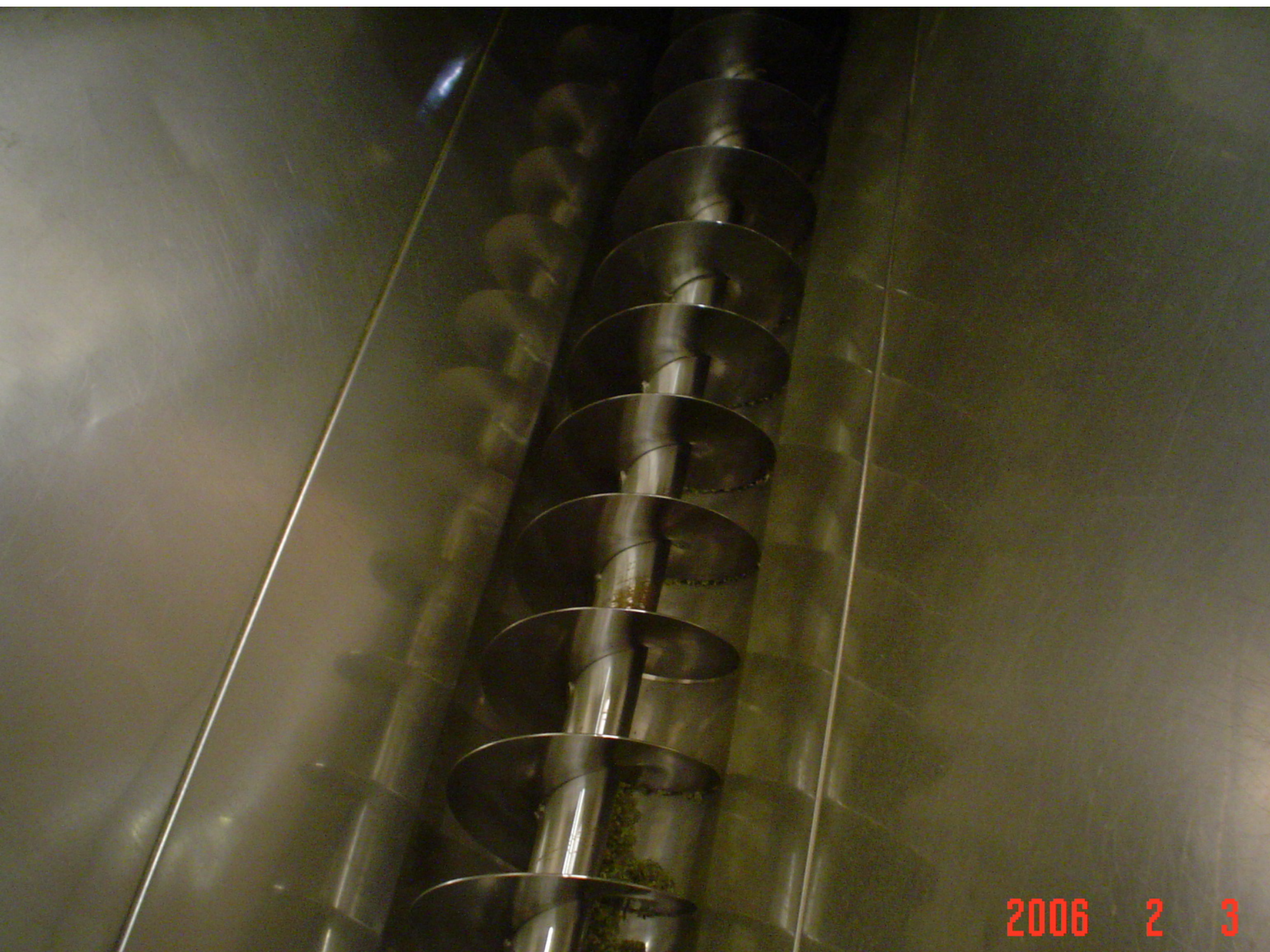




MAPA







2006 2 3



# DEPO



ÜRETİM





Depo

Tartım





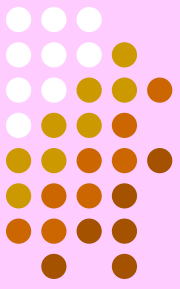


# Kontrol laboratuvarı



**Kalite ' den ne anlıyoruz ?**

# KALİTE



## o Hammadde

- etkili madde ?

- bulaşmalar -herbisit, pestisit,  
ağır metal,pir.alk,mikro org... ,  
(aflatoksin,okratoksin),

## o Üretim Yöntemi

## o Son kullanım tarihi

## o Ambalaj - Saklama

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HAM MADDE

Product # FP691095

Rose Hips Fruit ID (S)

Powder

Lot No. B205563

Release Date 06/18/12

Product Characteristics

Botanical Name  
Plant Part  
Appearance  
Composition  
Certifications  
Country of Origin  
Harvest  
Preservatives  
Treatment

**Şili  
yabani**

**işlem**

Specification

*Rosa canina* L.  
Fruits of *R. canina*  
Light orange-brown  
100% Fruits of *R. canina*  
Kosher (Circle K); Halal (Crescent M)  
Chile  
Wildcrafted  
None  
Steam ( Product has not been ETO-treated or irradiated)

**kusburnu**

Physical Profile

Particle Analysis

Method

QC-0014  
QC-0014  
QC-0014  
QC-0014  
QC-0014  
QC-0021  
QC-0020

Specification

100.0% through 40 mesh  
≥98.0% through 60 mesh  
Report Only through 80 mesh  
Report Only through 100 mesh  
Report Only through 200 mesh  
Report Only  
Report Only

Result

100.0  
99.8  
92.0%  
75.0%  
42.1%  
0.43 g/ml  
0.63 g/ml

Loose Density

Tapped Density @ 300 taps

Product Profile

Identification

Total Ash

Acid Insoluble Ash

Moisture by KF

Total Heavy Metals

ID-0001  
QC-0001  
QC-0002  
QC-0110  
QC-0138

Complies to Identilok  
≤4.0%  
≤1.5%  
≤10.0%  
Report Only (ppm)

Complies  
3.0  
0.2  
6.7  
<10

Microbiological Profile

Total Aerobic Plate Count

Yeast &amp; Mold Count

Total Coliforms (MPN/g)

E. Coli

Salmonella

Staphylococcus Aureus

Enterobacterial Count

MIC-0002  
MIC-0006  
MIC-0009  
MIC-0024  
MIC-0024  
MIC-0022  
MIC-0031

≤10,000 CFU/g  
≤300 CFU/g  
≤10  
None Detected in 25g  
None Detected in 25g  
None Detected in 25g  
≤1,000 /g

<100  
<100  
<3/g  
None Detected  
None Detected  
None Detected

Supplemental Information

Organochloride Pesticides (GC-MS)

Organophosphorus Pesticides(GC-MS)

Pyrethroid Pesticides (GC-MS)

Arsenic (ICP-MS)

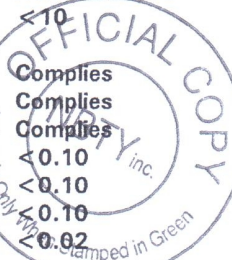
Cadmium (ICP-MS)

Lead (ICP-MS)

Mercury (ICP-MS)

QC-0125  
QC-0125  
QC-0125  
QC-0120  
QC-0120  
QC-0120  
QC-0120

Meets USP/EU Requirements  
Meets USP/EU Requirements  
Meets USP/EU Requirements  
Report Only (ppm)  
Report Only (ppm)  
Report Only (ppm)  
Report Only (ppm)

Packaging and Storage

Packaged in a polyethylene liner and reinforced corrugated box with appropriate labeling. Store in tight

# ANALİZLER

- Bütün kül
- Asitte çözm.kül
- Nem
- Toplam ağır metal  
As, Cd, Pb, Hg
- Pestisitler

## Mikrobiyolojik

- Aerob.  $\mu$ org. sayısı
- Fungus miktarı
- Toplam koliform b.  
*E.coli*  
*Salmonella*  
*Staph.aureus*  
*Enterobacterium*

# Yeşil çay analiz

pestisit

## Analytical Information

Report-No.: 17115006 - 99 001  
 Batch/Article: 24204756  
 156677-30 Green tea leaf powder  
 Steam treated / NBTY 60201

Test	Unit	Limits	Result
Diazinon	mg/kg	≤ 0.5	Not det.
Dichlorvos	mg/kg	≤ 1	Not det.
Dimethoate, total	mg/kg	≤ 0.1	Not det.
Ethion	mg/kg	≤ 2	Not det.
Etrinfos	mg/kg	≤ 0.05	Not det.
Fenchlorphos, total	mg/kg	≤ 0.1	Not det.
Fenitrothion	mg/kg	≤ 0.5	Not det.
Fenthion, total	mg/kg	≤ 0.05	Not det.
Fonophos	mg/kg	≤ 0.05	Not det.
Fensulfotihion, total	mg/kg	≤ 0.05	Not det.
Mecarbam	mg/kg	≤ 0.05	Not det.
Methacrifos	mg/kg	≤ 0.05	Not det.
Methamidophos	mg/kg	≤ 0.2	Not det.
Methidathion	mg/kg	≤ 0.1	Not det.
Monocrotophos	mg/kg	≤ 1	Not det.
Malathion & Malaoxon	mg/kg	≤ 0.1	Not det.
Phosstone	mg/kg	≤ 0.05	Not det.
Pirimphos-ethyl	mg/kg	≤ 4	Not det.
Pirimphos-methyl, total	mg/kg	≤ 0.1	Not det.
Profenofos	mg/kg	≤ 0.05	Not det.
Prothiofos	mg/kg	≤ 0.5	Not det.
Parathion (-ethyl) & Paraoxon (-ethyl)	mg/kg	≤ 0.2	Not det.
Parathion-methyl & Paraoxon-methyl	mg/kg	≤ 0.05	Not det.
Quinalphos	mg/kg	≤ 0.05	Not det.
Pesticide residues (GC-ECD), ASU L00.00-34 (module D1), SOP 720211:			Conform
Chlorthal-dimethyl	mg/kg	≤ 0.01	Not det.
Cyfluthrin	mg/kg	≤ 0.1	Not det.
Cyhalothrin-lambda	mg/kg	≤ 1	Not det.
Cypermethrin, total	mg/kg	≤ 1	Not det.
Chlordane, total (Sum of cis-, trans- und Oxychlordane)	mg/kg	≤ 0.05	Not det.
Deltamethrin	mg/kg	≤ 0.5	Not det.
Dichlofluanid	mg/kg	≤ 0.1	Not det.
Dicofol	mg/kg	≤ 0.5	Not det.
DDT, total	mg/kg	≤ 1	Not det.
Dieldrin & Aldrin	mg/kg	≤ 0.05	Not det.
Endrin	mg/kg	≤ 0.05	Not det.
Endosulfan, total	mg/kg	≤ 3	Not det.
Fenpropathrin	mg/kg	≤ 0.03	Not det.
Flucythrinal	mg/kg	≤ 0.05	Not det.
Flucythrinal	mg/kg	≤ 0.05	Not det.
Tau-Fluvalinat	mg/kg	≤ 1.6	Not det.
Fenvalerate(RR SS RS SR)	mg/kg	≤ 0.1	Not det.
Hexachlorobenzene (HCB)	mg/kg	≤ 0.1	Not det.
HCH, total (without Lindane)	mg/kg	≤ 0.3	Not det.
Heptachlor, total	mg/kg	≤ 0.05	Not det.
Lindane (HCH, gamma)	mg/kg	≤ 0.6	Not det.
Methoxychlor	mg/kg	≤ 0.05	Not det.



Report-No.:  
Batch/Article:

17115008 - 99 001  
24204756  
156677-30 Green tea leaf powder  
Steam treated / NBTY 60201

Test	Unit	Limits	Result
Mirex	mg/kg	≤ 0.01	Not det.
Permethrin	mg/kg	≤ 0.1	Not det.
Pentachloroanisole	mg/kg	≤ 0.01	Not det.
Permethrin, total	mg/kg	≤ 1	Not det.
Quintozene, total	mg/kg	≤ 1	Not det.
S421 (octachlorodipropyl ether)	mg/kg	≤ 0.02	Not det.
Tecnazene	mg/kg	≤ 0.05	Not det.
Tetraflon	mg/kg	≤ 0.3	Not det.
Vinclozolin	mg/kg	≤ 0.4	Not det.
			Conform
Pesticide residues (GC-MS), ASU L 00.00-34 (module D 4), SOP 720410:			
Alachlor	mg/kg	≤ 0.05	Not det.
Azinphos-methyl	mg/kg	≤ 1	Not det.
Bromopropylate	mg/kg	≤ 3	Not det.
Piperonyl butoxide	mg/kg	≤ 3	Not det.
Procymidone	mg/kg	≤ 0.1	Not det.
Pyrethrins, total	mg/kg	≤ 3	Absent
Phosmet	mg/kg	≤ 0.05	Not det.
			Conform
Dithiocarbamate and thiuram disulfide residues expressed as CS2 (UV/Vis), Xanthogenat-methode, §64 LFBG L 00.00-49/3 (DIN EN 12396/3), SOP 720608			
Dithiocarbamates, expressed as CS2	mg/kg	≤ 2	Not det.
Microbiological testing, SOP 803120:			
Enterobacteria (quantitative), ISO 21528-2:2004, SOP 300040	CFU/g	≤ 1,000	< 10
Microbiological testing, quantitative enumeration (Plate count method) of Escherichia coli according to AOAC 991.14, 2005, SOP 803130			
Escherichia coli (quantitative), AOAC 991.14, 2005, SOP 300031			
Molecular biological examination (mix sample from customer consisting of 5 samples each 50 g), SOP 803231:			
Salmonella (absence test, PCR), DIN 10135, SOP 300102	/25 g		
Microbiological testing, total aerobic microbial count (TAMC), Ph. Eur. 8.0, 2.6.12, SOP 803972:			
Total aerobic microbial count (TAMC), Ph. Eur. 8.0, 2.6.12, SOP 300007	CFU/g	≤ 100,000	560
			Conform
Microbiological testing, total combined yeasts and moulds count (TYMC), Ph. Eur. 8.0, 2.6.12, SOP 803973:			
Moulds (quantitative), Ph. Eur. 8.0, 2.6.12, SOP 300014	CFU/g		< 50

**Mikrobiyolojik kontrol**

**Yeşil  
çay  
analiz**

NE YİYOSUN YUSUF?

YEŞİL ÇAY ABI!  
METABOLİZMAYI  
HIZLANDIRIP  
ZAYIFLATIRMIS  
DİYOLAR!

OHA  
EKMEK  
ARASI  
YAPMIŞ!



# SPECIFICATION

ARTICHOKE LEAVES EXTRACT POWDER, water extracted

16.05.2013/mss2

Art.-no.: A-070

# Enginar yaprak ekstresi 1

Işın (-)  
Fumigasyon (-)  
GDO (-)

Raw material: Artichoke leaves (Cynarae folium)  
Plant: Cynara scolymus L., Asteraceae  
Ratio  
Raw material : native extract: 5 - 8 : 1

Appearance: light brown - brown, amorphous powder  
Odour: typical  
Taste: bitter  
Identity (HPLC): Ph. Eur. Monograph  
Solvent: water  
Solubility (Ph. Eur. 1.4)  
- in water: well soluble  
- in ethanol 90 %: slightly soluble

Compounds  
- Native extract: 90 %  
- Carrier Substance: 8 % Maltodextrin Ph. Eur.  
- Additive: 2 % precipitated Silicone Dioxide

Irradiation: no irradiation with ionizing or ultraviolet rays  
Fumigation: no fumigation with methyl bromide or ethylene oxide  
GMO status: free from genetically modified organisms

Shelf life: min. 2 years from manufacturing date

Notes:

We talk about a hygroscopic product – the care should be taken to avoid moisture. Please pay attention that the product does not absorb moisture from the atmosphere. After removal of the material please make sure that the desiccant will be added again respectively.

Recommended storage:

- in original drums at cool and dry
- protected from direct sunlight
- temperature: ideally not above 25°C
- rel. humidity: ideally not above 60%
- 
- 

Recommended handling:

- extensively avoid the inhalation of dust
- rel. humidity: ideally below 30%

Ph.E.

2 yıl

özellik

saklama

# Enginar yaprak ekstresi

**Pestisit  
Mikrobiyolojik k.  
Ağır metal**

**Klorojenik asit**

## SPECIFICATION

ARTICHOKE LEAVES EXTRACT POWDER, water extracted

Art.-no.: A-070

Test	Method	Specification
Particle size	Ph. Eur. 2.9.12	max. 0.5 mm
Bulk density, loose	internal method no. P-QC-061	400 – 800 g/l
Loss on drying	Ph. Eur. 2.8.17	max. 6.0 % (m/m)
Ashes	Ph. Eur. 2.4.16	max. 30.0 % (m/m)
Pesticide Residues (*)	DFG-S19 modified	Ph. Eur. 2.8.13 Reg. (EC) No 396/2005
Mycotoxins (*)		Reg. (EC) No 1881/2006
<b>Microbiology</b>		Ph. Eur. 5.1.8 Cat B
TAMC	Ph. Eur 2.6.12	max. 10 <sup>4</sup> /g
TYMC	Ph. Eur 2.6.12	max. 10 <sup>2</sup> /g
gram-negative, bile-tolerant bacteria	Ph. Eur 2.6.31	max. 10 <sup>2</sup> /g
Escherichia coli	Ph. Eur 2.6.31	none /g
Salmonella	Ph. Eur 2.6.31	none /25 g
<b>Heavy metals (*)</b>	ICP-AES	Reg. (EC) No 1881/2006
Lead		max. 3.0 mg/kg
Cadmium		max. 1.0 mg/kg
Mercury		max. 0.1 mg/kg
<b>Assay</b>		
Total caffeoylquinic acids calculated as chlorogenic acid	HPLC	min. 2.5 % (m/m)

(\*) The information refer to the raw material

Please note that our products are raw materials, not intended as pharmaceutical substance. The information contained herein is in the state of our knowledge. The analytical results have been supplied by external laboratories and were formatted by us for better readability. The mentioned information do not release from own controls. Please note that the further manufacture and sale of the products may be subject to laws depending on the type and the region of use. It is the user's responsibility to assure that the relevant legal requirements are met, omissions excepted.



# CITRUS BIOFLAVONOID COMPLEX "25"

w/ 25% Total Bioflavonoids as Hesperidin by UV

Non-Irradiated/Heat Processed

**Certificate of Analysis:**

Product Code: CBC-25UV-G-HPSS

Item# 22822

Lot# C-05208-25UV-G-HPSS

PO# 834505 Part# 00470

Mfg. Date: 05/09/14

Exp. Date: 05/08/16

**PRODUCT INFORMATION**

The product is made from 100% whole citrus components and contains no artificial preservatives or adulteration of any type. The product is made from a combination of lemon (*citrus limon*), orange (*citrus sinensis*), lime (*citrus aurantifolia*), tangerine (*citrus reticulata*) and grapefruit (*citrus paradisi*).

Country of Origin-USA, China, Argentina, Europe, Mexico

**IDENTIFICATION**

Reaction with Fehling's Solution ..... Positive

Anthocyanidin Test ..... Positive

Extraction Method (Water) ,Extraction Solvent/Ratio (N/A) ·

High Pressure Liquid Chromatography Test: (Total Bioflavonoids as Hesperidin).....25.00% (min.)

**ANALYSIS**

**SPECIFICATION**

**ACTUALS**

**TEST METHODS**

Appearance Non-hygroscopic, free flowing Complies Internal Evaluation BF003

Aroma GRANULAR powder Characteristic Internal Evaluation BF001

Flavor Characteristic - bitter Characteristic Internal Evaluation BF002

Color Light to dark tan Light to Dark Tan Internal Evaluation B003-I

Identification Positive Complies Internal Evaluation BF007

Total Bioflavonoids NLT 25% 25.30 % UV Method

Moisture 10% (maximum) 1.9 Ohaus Moisture Balance

Heavy Metals Meets USP Pesticide Screen Complies USP 561 (FDA PAM II)

• Arsenic NMT 3 ppm 0.135 ppm

• Cadmium NMT 2 ppm 0.110 ppm

• Lead NMT 0.5 ppm 0.200 ppm

• Mercury NMT 0.1 ppm <0.005 ppm

Pesticide Residue Meets USP Pesticide Screen Complies USP 561 (FDA PAM II)

**MICROBIAL ANALYSIS**

**SPECIFICATION**

**Actuals**

**TEST METHODS**

Aerobic Plate Count < 100,000 cfu/g 3,600 cfu/g AOAC 966.23

Yeast and Mold < 1,000 cfu/g <10 cfu/g FDA-BAM 7<sup>th</sup> ed.

Coliforms < 3 MPN/g < 3 MPN/g FDA-BAM 8<sup>th</sup> ed.

Escherichia coli Negative Negative FDA-BAM 8<sup>th</sup> ed.

Salmonella Negative/25g Negative AOAC 2004.03

Staph. Aureus Negative Negative AOAC 975.55

**QUALITY CONTROL APPROVED**



Biyo flav.

\*Due to seasonal variations and fluctuations in the natural content of the citrus fruit, percent occurrences of individual bioflavonoids and other food component groups are subject to some variation from one lot number to another.\*\*This product is naturally treated with a combination of dry heat and steam

**Product Characteristics**

Botanical Name  
 Plant Part  
 Appearance  
 Preservatives  
 Certifications  
 Treatment  
 Country of Origin  
 Harvest  
 Granulation Binder

**Specification**

*Citrus spp.*  
 Pericarp of *C. spp.*  
 Light Brown  
 None  
 Kosher  
 Steam (Product has not been ETO treated or Irradiated)  
 China/USA  
 Cultivated  
 None

**Physical Profile**

Particle Analysis  
  
 Loose Density  
 Tapped Density @ 300 taps

**Method**

QC-0014  
 QC-0014  
 QC-0014  
 QC-0014  
 QC-0014  
 QC-0021  
 QC-0020

**Specification**

≥95.0% through 20 mesh  
 Report Only through 40 mesh  
 Report Only through 60 mesh  
 Report Only through 80 mesh  
 ≤20.0% through 100 mesh  
 0.50 - 0.70g/ml  
 0.60 - 0.80g/ml

**Result**

99.3%  
 45.7%  
 27.2%  
 18.7%  
 15.4%  
 0.63g/ml  
 0.74g/ml

**Product Profile**

Identification by UV  
 Total Bioflavonoids (UV)  
 Residue On Ignition  
 Loss On Drying  
 Total Heavy Metals

QC-0086  
 QC-0086  
 QC-0104  
 QC-0005  
 QC-0138

Complies  
 ≥25.0%  
 ≤6.0%  
 ≤10.0%  
 Report Only (ppm)

Complies  
 28.9  
 0.02  
 6.4  
 <10

**Microbiological Profile**

Total Aerobic Plate Count  
 Yeast & Mold Count  
 Total Coliforms  
 E.Coli  
 Salmonella  
 Staphylococcus Aureus  
 Enterobacterial Count

MIC-0002  
 MIC-0006  
 MIC-0009  
 MIC-0024  
 MIC-0024  
 MIC-0022  
 MIC-0031

≤10,000 CFU/g  
 ≤100 CFU/g  
 ≤10 CFU/g  
 None Detected in 25g  
 None Detected in 25g  
 None Detected in 25g  
 ≤1,000 /g

2,000  
 <100  
 <3  
 None Detected  
 None Detected  
 None Detected  
 <10

**Supplemental Information**

Organochloride Pesticides (GC-MS)  
 Organophosphorus Pesticides(GC-MS)  
 Pyrethroid Pesticides (GC-MS)  
 Arsenic (ICP-MS)  
 Cadmium (ICP-MS)  
 Lead (ICP-MS)  
 Mercury (ICP-MS)

QC-0125  
 QC-0125  
 QC-0125  
 QC-0120  
 QC-0120  
 QC-0120  
 QC-0120

Meets USP Requirements  
 Meets USP Requirements  
 Meets USP Requirements  
 Report Only (ppm)  
 Report Only (ppm)  
 ≤3 ppm  
 Report Only (ppm)

Complies \*  
 Complies \*  
 Complies \*  
 <0.1  
 <0.1  
 0.30  
 <0.02

**Packaging and Storage**

Packaged in a polyethylene liner and reinforced corrugated box with appropriate labeling. Store in tight containers, protected from light, moisture and heat.

**Biyo  
 flav.**

Date:

September 12, 2013

Name of Product:

Raw Material

**SPECIFICATIONS:**

ekstre  
analizi

<u>ASSAY</u>	<u>SPECIFICATION</u>	<u>METHOD</u>
Physical Appearance	White, Off	
Odor	Odorless	
Purity (%)	NLT 98	
Structure	Conforms to USP	
<u>SOLVENT RESIDUE</u>	<u>SPECIFICATION</u>	<u>METHOD</u>
n-Butanol	NMT 5000	Headspace GC
Acetonitrile	NMT 400	Headspace GC
Hexane	NMT 290	Headspace GC
Ethyl acetate	NMT 5000	Headspace GC
<u>HEAVY METAL</u>	<u>SPECIFICATION (ppm)</u>	<u>METHOD</u>
As	NMT 90	ICP-MS
Cd	NMT 3000	ICP-MS
Pb	NMT 60	ICP-MS
Hg	NMT 90	ICP-MS
Cr	NMT 3000	ICP-MS
Se	NMT 90	ICP-MS
<u>MICROBIOLOGICAL</u>	<u>SPECIFICATION (cfu/g)</u>	<u>METHOD</u>
Total aerobic microbial count	NMT 1000 CFU/g	USP<2021>
Total yeast-mold	NMT 100 CFU/g	USP<2021>
E. Coli	Absent/1g	USP<2022>
Salmonella	Absent/1g	USP<2022>
P. aeruginosa	Absent/1g	USP<2022>
Staphylococcus aureus	Absent/1g	USP<2022>
<u>PESTICIDES</u>	<u>SPECIFICATION</u>	<u>METHOD</u>
Various	USP	DFG S-19 (E5) using GC/MS, GC ECD/NPD

Çözücü  
artıkları

Signature:

*Jim Cich*  
Jim Cich



# CERTIFICATE OF ANALYSIS

101528



SoyLife® EXTRA	Article code: HA29726
Batch number : 45L/1983/E	Date: January 22, 2007
Production date : December 1, 2006	
Expiry date : December 1, 2010	

Parameter	Specification	Test method	Test result
Loss on drying	max. 5 %	2 h, 100 °C – 105 °C	1.5 %
Tapped bulk density	0.45 g/ml - 0.55 g/ml	ISO 787	0.52 g/ml
Aerobic mesophilic count	max. 10.000 CFU/g	ISO 4833:1991	< 10 CFU/g
Coliforms	max. 150 CFU/g	ISO 4832:1991	< 10 CFU/g
<i>Escherichia coli</i>	absent in 1 g	Ph. Eur. IV	absent in 1 g
<i>Salmonella</i>	absent in 25 g	ISO 6579:1993	absent in 25 g
Yeasts	max. 300 CFU/g	ISO 7954:1987	< 10 CFU/g
Molds	max. 300 CFU/g	ISO 7954:1987	< 10 CFU/g
Arsenic (As)	max. 1 mg/kg	ICP-OES-hydride	< 0.1 mg/kg
Cadmium (Cd)	max. 0.5 mg/kg	ICP-OES	< 0.15 mg/kg
Mercury (Hg)	max. 0.2 mg/kg	ICP-OES-hydride	< 0.05 mg/kg
Lead (Pb)	max. 0.5 mg/kg	AAS	0.25 mg/kg
Residual ethanol	max. 5000 mg/kg	GC-FID	< 1 mg/kg
Total daidzein <sup>1), 2)</sup>		Song et al. (1998)	34 mg/g
Total glycitein <sup>1), 2)</sup>		Song et al. (1998)	21 mg/g
Total genistein <sup>1), 2)</sup>		Song et al. (1998)	7,1 mg/g
Total isoflavones aglucones <sup>2)</sup>		Song et al. (1998)	62 mg/g
Isoflavones	min. 100 mg/g	Song et al. (1998)	100 mg/g

1) Actually present as glucosides  
 2) Analyzed, not standardized

We hereby certify that the above mentioned sample SoyLife® EXTRA (batch number 45L/1983/E) was analyzed and approved by the Quality Department of Frutarom Belgium NV.

Expiry date only valid when stored in a cool and dry location.

This document is computer generated, therefore valid without signature.



CODE # E624 PKG LOT# 0526F3 MFG LOT# 305-0888  
 PRODUCT: TA-65MD SHIP TO: TA Science  
 MANUFACTURE DATE: 6/15/2013 EXPIRATION DATE: 06/15

PHYSICAL SPECIFICATIONS: Notebook Reference: 494/107

DISINTEGRATION TIME (MINUTES) NMT 30	0.05M ACETATE BUFFER	SIMULATED GASTRIC	SIMULATED INTESTINAL	METHOD
	Pass	-	-	USP
DESCRIPTION / COLOR: White fill inside clear capsule				
THICKNESS (INCHES): N/A			HARDNESS (kps): N/A	
AVERAGE TAB/CAP WEIGHT (g): 0.432			SHAPE / SIZE (INCHES): capsule/ 0.854 x 0.300	

**Ağır m.**

Each capsule contains:

INGREDIENT:	LABEL CLAIM:	SPECIFICATION RANGE :	ASSAY / FOUND	DATE:	METHOD:	NOTEBOOK REFERENCE:
Astralagus root extract	88 mg		*			
			*			
			*			
Heavy Metals **						
Arsenic (As)		<9.8 mcg/day	0.006 mcg/day	7/8/13	ICP-MS 200.00	497/62
Lead (Pb)		<20.3 mcg/day	0.094 mcg/day	7/8/13	ICP-MS 200.00	497/62
Cadmium (Cd)		<6.3 mcg/day	ND	7/8/13	ICP-MS 200.00	497/62
Mercury (Hg)		<20.3 mcg/day	0.009 mcg/day	7/8/13	ICP-MS 200.00	497/62

\*\* Heavy Metals results based on a daily dose of four (4) capsules.

**Bitmiş  
Ürün  
analizi**

**Mikrob.**

MICROBIAL TESTING	SPECIFICATION	FOUND	DATE:	METHOD:	NOTEBOOK REFERENCE:
Total plate count	NMT 10,000 CFU / g	<10 CFU / g	7/10/13	Current USP	481/112-113
Yeast and mold	NMT 1,000 CFU / g	<10 CFU / g	7/10/13	Current USP	GSN log
Salmonella	Absent / 10 g	Absent	7/10/13	Current USP	GSN log
E. coli	Absent / 10 g	Absent	7/10/13	Current USP	GSN log
S. aureus	Absent / 10 g	Absent	7/10/13	Current USP	GSN log
P. aeruginosa	Absent / 10 g	Absent	7/10/13	Current USP	GSN log

\* production input  
 \*\*The product specified above has been manufactured, packaged, tested and approved in accordance with the good manufacturing practices and GSN approved standard operating procedures. Deviations from procedures have been reviewed, investigated, documented and approved by GSN's Quality Assurance Department. The lot has met all the predetermined specifications and is released for shipment."

QUALITY CONTROL APPROVAL:  DATE: 2/11/13  
 Page 1 of 1

Analytical Information

Report-no.: 655340.0 - 90001  
 Lot no.: MB 15209517 Typ no.:  
 Article: 150140-60 ANISE SEED FC  
 ANISI FRUCTUS M.C.

Batch-No.:

Test	Unit	Limits
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Sample preparation for pesticide test,  
 according to § 35 LMBG L 00.00-34  
 Organophosphorus pesticides,  
 according to § 35 LMBG  
 L 00.00-34 (GC/FPD)

Acephate	mg/kg	<= 0.1
Azinphos-ethyl	mg/kg	<= 0.05
Bromophos-ethyl	mg/kg	<= 0.05
Bromophos-methyl	mg/kg	<= 0.05
Carbophenothion	mg/kg	<= 0.01
Chlorpyrifos (-ethyl)	mg/kg	<= 0.2
Chlorpyrifos-methyl	mg/kg	<= 0.1
Chlorfenvinphos-cis (E)	mg/kg	
Chlorfenvinphos-trans (Z)	mg/kg	
Chlorfenvinphos, total	mg/kg	<= 0.5
Diazinon	mg/kg	<= 0.5
Dichlorvos	mg/kg	<= 1.0
Dimethoate	mg/kg	
Omethoate	mg/kg	
Dimethoate, total	mg/kg	<= 0.1
Ethion	mg/kg	<= 2
Etrinfos	mg/kg	<= 0.02
EPN	mg/kg	<= 0.01
Fenchlorphos, total	mg/kg	<= 0.1
Fenitrothion	mg/kg	<= 0.5
Fenthion, total	mg/kg	<= 0.05
Fonofos	mg/kg	<= 0.05
Formothion	mg/kg	<= 0.02
Fensulfthion, total	mg/kg	<= 0.01
Iprobenfos	mg/kg	<= 0.01
Jodofenfos	mg/kg	<= 0.01
Mecarban	mg/kg	<= 0.05
Methacrifos	mg/kg	<= 0.05
Methamidophos	mg/kg	<= 0.1
Methidathion	mg/kg	<= 0.2
Monocrotophos	mg/kg	<= 0.1
Malathion	mg/kg	<= 1.0
Mevinphos-E	mg/kg	
Mevinphos-Z	mg/kg	
Mevinphos, total	mg/kg	<= 0.05

Analytical Information

Report-no.: 655340.0 - 90001  
 Lot no.: MB 15209517 Typ no.:  
 Article: 150140-60 ANISE SEED FC  
 ANISI FRUCTUS M.C.  
 Batch-No.:

Test	Unit	Limits
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Phosalone	mg/kg	<= 0.1
Pirimiphos-ethyl	mg/kg	<= 0.01
Pirimiphos-methyl	mg/kg	<= 4.0
Profenofos	mg/kg	<= 0.1
Prothiofos	mg/kg	<= 0.05
Pyrazophos	mg/kg	<= 0.05
Pyridaphenthion	mg/kg	<= 0.01
Parathion-methyl	mg/kg	<= 0.2
Phosphamidon-E	mg/kg	
Phosphamidon-Z	mg/kg	
Phosphamidon, total	mg/kg	<= 0.05
Quinalphos	mg/kg	<= 0.05
Sulfotep	mg/kg	<= 0.1
Tetrachlorvinphos	mg/kg	<= 0.01
Triazofos	mg/kg	<= 0.05
TEPP	mg/kg	<= 0.02
Zinphos (Thionazin)	mg/kg	<= 0.01

Organochlorine pesticides,  
 according to § 35 LMBG  
 L 00.00-34 (Eluate 1+2/GC/ECD)

Benfluralin	mg/kg	<= 0.01
Chlorfenapyr	mg/kg	<= 0.05
Chlorfenson	mg/kg	<= 0.1
Chlorthal-dimethyl	mg/kg	<= 0.01
Chlorothion	mg/kg	<= 0.01
Chlordane, cis	mg/kg	
Chlordane, trans	mg/kg	
Oxychlordane	mg/kg	
Chlordane, total (Sum of cis-, trans- und Oxychlordane)	mg/kg	<= 0.05
Dicofol	mg/kg	<= 0.5
DDD-o,p'	mg/kg	
DDD-p,p'	mg/kg	
DDE-o,p'	mg/kg	
DDE-p,p'	mg/kg	
DDT-o,p'	mg/kg	

Analytical Information

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Report-no.: 655340.0 - 90001  
 Lot no.: MB 15209517 Typ no.:  
 Article: 150140-60 ANISE SEED FC  
 ANISI FRUCTUS M.C.

Batch-No.:

Test	Unit	Limits	Testresult
Endosulfan, alpha	mg/kg		Not det.
Endosulfan, beta	mg/kg		Not det.
Endosulfan sulfat	mg/kg		Not det.
Endosulfan, total	mg/kg	<= 3.0	Not det.
Halfenprox	mg/kg	<= 0.01	Not det.
Hexachlorbenzene	mg/kg	<= 0.1	Not det.
HCH, alpha	mg/kg		Not det.
HCH, beta	mg/kg		Not det.
HCH, delta	mg/kg		Not det.
HCH, epsilon	mg/kg		Not det.
HCH, total (without lindane)	mg/kg	<= 0.3	Not det.
Heptachlor	mg/kg		Not det.
Heptachlorepoxyde, cis	mg/kg		Not det.
Heptachlorepoxyde, trans	mg/kg		Not det.
Heptachlor, total	mg/kg	<= 0.05	Not det.
Isodrin	mg/kg	<= 0.01	Not det.
Lindane	mg/kg	<= 0.6	Not det.
Methoxychlor	mg/kg	<= 0.01	Not det.
Mirex	mg/kg	<= 0.01	Not det.
Nitrofen	mg/kg	<= 0.01	Not det.
Pendimethalin	mg/kg	<= 0.05	Not det.
Pentachloroanisol	mg/kg	<= 0.01	Not det.
Pentachlorobenzene	mg/kg	<= 0.01	Not det.
Quintozene	mg/kg		Not det.
Pentachloroaniline	mg/kg		Not det.
Methylpentachlorophenylsulfide	mg/kg		Not det.
Quintozene, total	mg/kg	<= 1.0	Not det.
S-421	mg/kg	<= 0.01	Not det.
Tecnazene	mg/kg	<= 0.05	Not det.
Tetrachloroaniline-2,3,5,6	mg/kg	<= 0.01	Not det.
Tetradifon	mg/kg	<= 0.05	Not det.
Trifluralin	mg/kg	<= 0.1	Not det.
Vinclozolin	mg/kg	<= 0.05	Not det.

Pyrethroids, according to § 35 LMBG  
 L 00.00-34 (Eluate 1+2/GC/ECD)

Cypermethrin, total	mg/kg	<= 1.0	Not det.
Deltamethrin	mg/kg	<= 0.5	Not det.
Fenpropathrin	mg/kg	<= 0.05	Not det.
Fenvalerate RR/SS	mg/kg		Not det.
Fenvalerate RS/SR	mg/kg		Not det.
Fenvalerate total	mg/kg	<= 1.5	Not det.
Permethrin, total	mg/kg	<= 1.0	Not det.

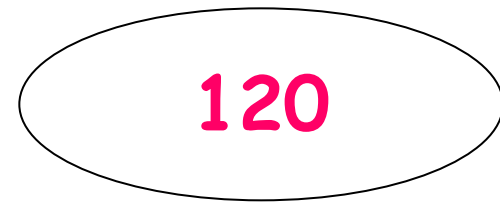
Analytical Information

Report-no.: 655340.0 - 90001  
 Lot no.: MB 15209517 Typ no.:  
 Article: 150140-60 ANISE SEED FC  
 ANISI FRUCTUS M.C.

Batch-No.:

Test	Unit	Limits	Testresult
N-containing and further pesticides, according to § 35 LMBG L 00.00-34 (GC-MS)			
Alachlor	mg/kg	<= 0.02	Not det.
Azinphos-methyl	mg/kg	<= 1.0	Not det.
Bromopropylate	mg/kg	<= 3.0	Not det.
Phosmet	mg/kg	<= 0.05	Not det.
Piperonyl butoxide	mg/kg	<= 3.0	Not det.
Procymidone	mg/kg	<= 0.1	Not det.
Pyrethrins, total	mg/kg	<= 3.0	Absent
Dithiocarbamates, DFG-methode S15, according to § 35 LMBG L 00.00-49/3 (UV)			
Dithiocarbamates, expressed as CS2	mg/kg	<= 2.0	Not det.

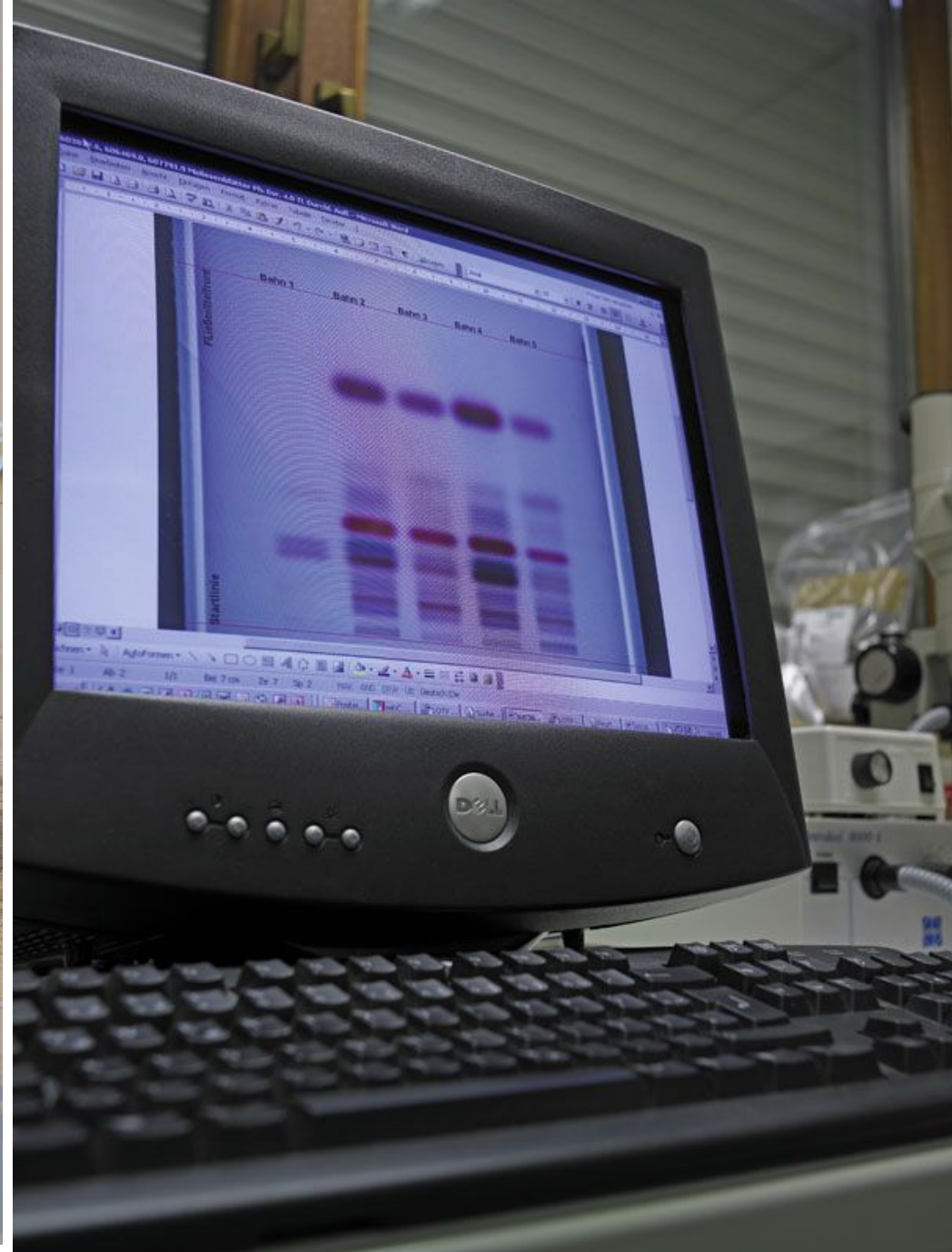
This is a computer print. The original is in our files. The results refer to the sample we analysed.



**ANALİZLER ???**

**LABORATUVARLAR ???**





Resimler Phytolab'ın izni ile kullanılmıştır





**DURUM TESPITI**



# PROBLEMLER

- **KALİTE**
- **GÜNLÜK ALIM MİKTARI**
- **KULLANIM YANLIŞLARI**  
tüketici, hekim, eczacı,
- **KONTROL**
- **Aktar tababeti, internet tıbbı,  
Medya tıbbı**

EN BÜYÜK TEHLİKE

İLAÇ

OLARAK SATILMASI !

 DOZ - GÜNLÜK ALIM MİKTARI (GAM)

 ENDİKASYON - sağlık beyanı (SB)

Ürünler arasında  
kalite farkı var mı ?

VAR !

Çünkü

İlaç değil !

*Orchis  
papilionacea*



# Himantoglossum caprinum

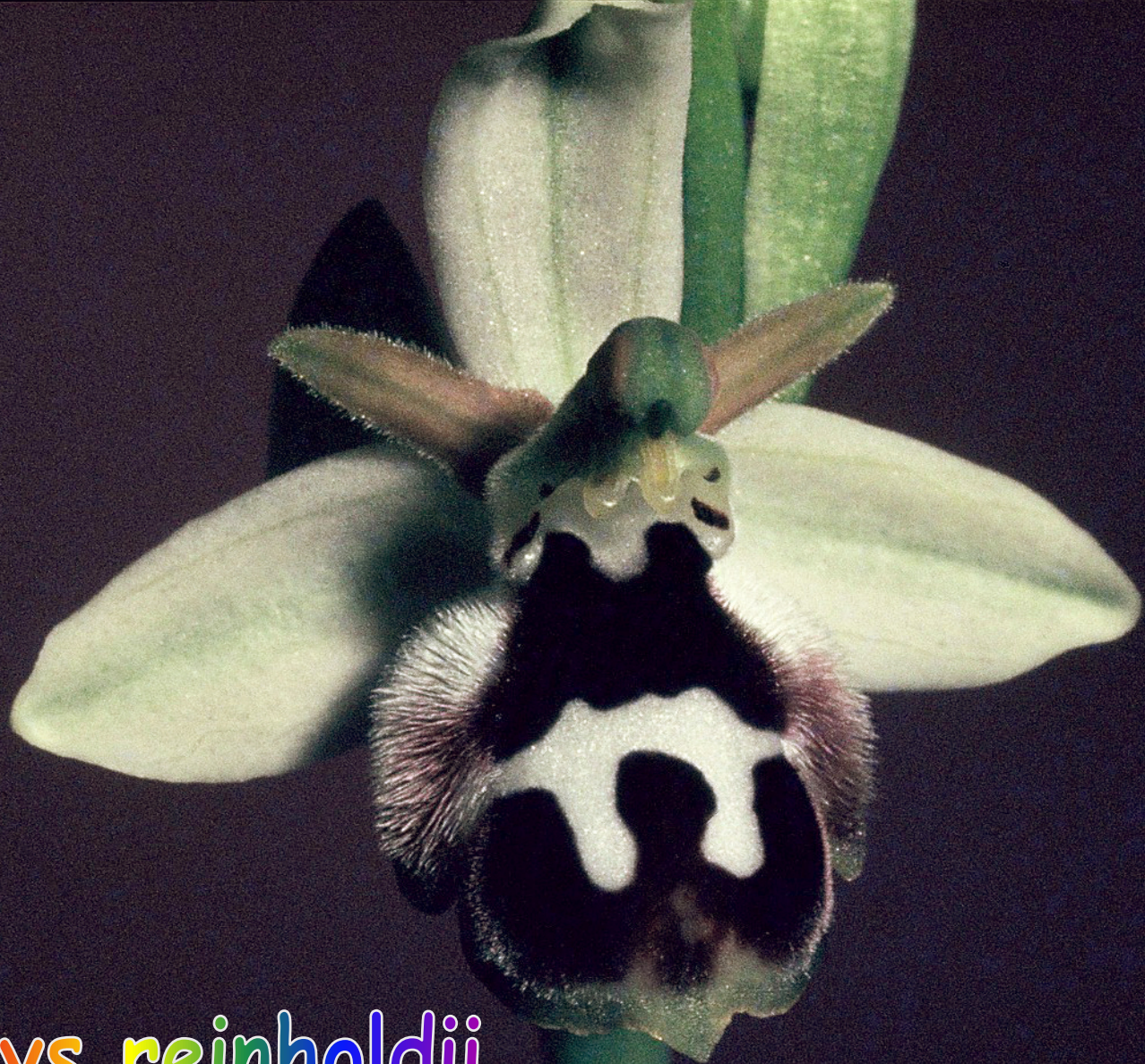




OPHRYSS  
SPECULUM

Ophrys  
Ophrys  
mammosa





Ophrys reinholdii  
ssp. leucotenia



**SALEP**



120 milyon



Orchis  
sezikiana

ekrmsezik@gmail.com

Diġġatiniġe Teŝekkürler

