

Mobile Phone:	(+355692430707)		
Website:	www.esencial.al		
Email:	www.esencial.al <u>contact@esencial.al</u>		
Lilian.	<u>contact@esericial.ar</u>		
Product Name:	CO ₂ Total Extract		
Product Use:	Raw materials for industry		
Scientific Name:	Crataegus monogyna		
Country of origin:	Albania		
Company Name:	Esencial [®]		
CAS Number:	90045-52-6		
INCI Name:	Crataegus monogyna CO₂ Total Extract		
Lot #	TOT 191007		
Batch #	191102-C		
Manufacturing Date-	02.11.2019		
Best Before Date-	02.11.2028		
Part Used:	Twig and Flower		
Extraction Method:	SCFE CO ₂		
Quality:	100% Pure and Natural		



PROPERTIES	SPECIFICATIONS	RESULTS	METHOD
Appearance:	Dark brown	CONFORMS	Visual
Physical state	Solid	CONFORMS	Organoleptic
Odor:	Natural and fresh fragrance	CONFORMS	Organoleptic
Relative Density (g/ml):	-	1.173 at 20°C	ISO 279:1998 (E)
Solubility:	Soluble in lipophilic fluids such as essential oils and vegetable oils.	CONFORMS	
Avid Value:	-	44.4	ISO 124:1999 (E)
Flash Point:	-	> 130 °C	
Boiling point:	-	115 °C	ISO/TR 11018 (E)
Melting point :	-	65 °C	_
Loss of drying:	≤5.0%	0.28%	ISO 212:2007(E)
Residual Solvents:	no	CONFORMS	GC-FID
Total ashes:	- \	1.6%	WHO
Shelf life:		9 years	H
F	Keep in tightly closed contain place, protected from sunlight stored in the refrigerator 2 - 10	. These are best	



COMPONENTS Range %

Identifica	ition	Conforms to reference standard	CONFORMS	GC-FID
		Compound		<u>%</u>
	1	Butyraldehyde		3.54
	2	EthylvinylCarbinol		1.97
	3	Fural		2.67
	4	Capronaldehyde		19.06
	5	Isoamyl alcohol		1.57
	6	Formate		5.04
	7	Pentenal		2.97
	8	Pentanol		0.83
	9	Pentenol		1.48
	10	Hexenal		6.74
	11	a-Pinene		0.51
	12	Hexenol		15.88
	13	Myrcene		5.29
	14	Benzaldehyde		6.94
	15	Hexanol		22.81
	16	Farnesene		1.46

Identification	Identification Conforms to reference standard		

Nonadecane

1.24

flavonoids	(hyperoside)	1.5%
flavone C-glycosides	(calculated as vitexin)	0.6%



HEAVY METAL TESTS	SPECIFICATIONS	RESULTS	METHOD
Lead (Pb)	≤5.0 ppm	0.27 ppm	
Cadmium (Cd)	≤1.0 ppm	0.02 ppm	ISO 11212
Arsenic (As)	≤1.5 ppm	0.03 ppm	Spectrofotometry
Mercury (Hg)	≤0.1 ppm	<0.05 ppm	_

SPECIFICATIONS	RESULTS	METHOD
< 1000 CFU/g	CONFORMS	
< 1000 CFU/g	CONFORMS	ISO 21149
< 1000 CFU/g	CONFORMS	
< 100 CFU/g	CONFORMS	
< 100 CFU/g	CONFORMS	ISO 16212
	< 1000 CFU/g < 1000 CFU/g < 1000 CFU/g < 100 CFU/g	< 1000 CFU/g CONFORMS < 1000 CFU/g CONFORMS < 1000 CFU/g CONFORMS < 1000 CFU/g CONFORMS

ВаР	Limit 0.18 µg/kg	NOT DETECTED	Ph. Eur.
TOTAL PAHs	Limit 0.2 μg/kg	NOT DETECTED	Ph. Eur.
(BaP, BaA, BbF,CHR)			
PESTICIDES	Limit 0.01 mg/kg	NOT DETECTED	Ph. Eur.
AFLATOXINS B1	Limit 2 µg/kg	CONFORMS	Elisa
TOTAL AFLATOXIN (B1, B2, G1, G2)	Limit 4 μg/kg	CONFORMS	Elisa



COMMENTS

This CO₂ total extract is a 100% pure and natural product. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Esencial[®]. This product is guaranteed by to Esencial[®] be of excellent quality.

DISCLAIMER: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources Esencial[®] provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

DO NOT COPY

Prepared By: Ms. Megi Pashollari

Production pharmacist in ESENCIAL®

Signature--

Revised by: Mrs. Lindita Vrushi

Biochemist in ESENCIAL®

Signature--