



CERTIFICATE OF ANALYSIS  
COA

---

**Mobile Phone:** (+355692430707)

**Website:** [www.esencial.al](http://www.esencial.al)

**Email:** [contact@esencial.al](mailto:contact@esencial.al)

---

---

**Product Name:** Rosa canina CO<sub>2</sub> Total Extract

**Product Use:** Raw materials for industry

**Scientific Name:** *Rosa canina*

**Country of origin:** Albania

**Company Name:** Esencial®

**INCI Name:** *Rosa canina* Extract

---

---

**Lot #** TOT210222

**Batch #** 210229-C

**Manufacturing Date-** 02/2021

**Best Before Date-** 02/2030

---

**Part Used:** Rose Hip

**Extraction Method:** SCFE CO<sub>2</sub>

**Quality:** 100% Pure and Natural

---



**CERTIFICATE OF ANALYSIS  
COA**

<b>PROPERTIES</b>	<b>SPECIFICATIONS</b>	<b>RESULTS</b>	<b>METHOD</b>
Appearance:	Dark Redish	CONFORMS	Visual
Physical state	Solid	CONFORMS	Organoleptic
Odor:	Natural and fresh fragrance	CONFORMS	Organoleptic
Relative Density (g/ml):	-	0.9 at 20°C	ISO 279:1998 (E)
Solubility:	Soluble in lipophilic fluids such as essential oils and vegetable oils.	CONFORMS	
Avid Value:	-	65.4	ISO 124:1999 (E)
Flash Point:	-	> 104 °C	
Boiling point:	-	80 °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	
Storage:	Keep in tightly closed container in a cool and dry place, protected from sunlight. These are best stored in the refrigerator 2 - 10°C.		



CERTIFICATE OF ANALYSIS  
COA

**COMPONENTS Range %**

**Identification**      Conforms to reference standard      CONFORMS      GC-FID

	<b>Compound</b>	<b>%</b>
1	(Z)-3-hexenol	0.1
2	a-pinene	1.7
3	b-pinene	0.2
4	1.8-cineol	1
5	Linalool	1.8
6	2-phenethyl alcohol	12.6
7	Eugenol	4.7
8	Tetradecane	5.9
9	b-caryophyllene	0.4
10	Caryophyllene oxide	0.3
11	Hexadecane	9.7
12	1-heptadecene	1.1
13	Heptadecane	1.6
14	Octadecane	5.3
15	1-nonadecene	0.8
16	Nonadecane	20.8
17	n-eicosane	6.9
18	n-heneicosane	6.9
19	Docosane	8.6
20	Tricosane	2.6
21	Tetracosane	1.2
22	Pentacosane	1.7
23	Hexacosane	2.4
24	Heptacosane	1.7



CERTIFICATE OF ANALYSIS  
COA

<b>HEAVY METAL TESTS</b>	<b>SPECIFICATIONS</b>	<b>RESULTS</b>	<b>METHOD</b>
<b>Lead (Pb)</b>	≤5.0 ppm	0.28 ppm	ISO 11212 Spectrofotometry
<b>Cadmium (Cd)</b>	≤1.0 ppm	0.12 ppm	
<b>Arsenic (As)</b>	≤1.5 ppm	0.10 ppm	
<b>Mercury (Hg)</b>	≤0.1 ppm	<0.04 ppm	

<b>MICROBIAL ANALYSIS</b>	<b>SPECIFICATIONS</b>	<b>RESULTS</b>	<b>METHOD</b>
<b>Bacterial Count</b>			
<i>Staphylococcus aureus</i>	< 1000 CFU/g	CONFORMS	ISO 21149
<i>Escherichia coli</i>	< 1000 CFU/g	CONFORMS	
<i>Pseudomonas aeruginosae</i>	< 1000 CFU/g	CONFORMS	
<b>Yeast and Mould</b>			
<i>Candida albicans</i>	< 100 CFU/g	CONFORMS	ISO 16212
<i>Aspergillus fumigatus</i>	< 100 CFU/g	CONFORMS	

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



## CERTIFICATE OF ANALYSIS COA

---

### COMMENTS

This CO<sub>2</sub> 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