

PRODUCT NAME	PRODUCT CODE	LOT
Pomegranate CO2-to Extract	CO090	352409
BEST BEFORE DATE	DATE OF ISSUE	
30. 12. 2027	2. 9. 2026	

All data and facts above are taken from the certificate provided by the manufacturer. This certificate confirms that the product meets all specified quality parameters and regulatory requirements.

1 GENERAL IDENTIFICATION DATA

PARAMETER	VALUE
INCI	Punica Granatum Seed Extract, Rosmarinus Officinalis Leaf Extract
CAS No.	84961-57-9, 84604-14-8
EC number	284-646-0, 283-291-9
HS code	13021980
Botanical source	Punica granatum L.
Product color	Yellow
Country of origin	Germany
Grade	Food Grade, Cosmetic Grade
Processing method	CO2 Extraction
Origin of product	Vegetable
Storage conditions	Protect from light, Store in a dry and clean environment, Store in a cool place, Keep container tightly closed
Odour	Characteristic
Appearance	Oil solution

2 ANALYTICAL PARAMETERS

PARAMETER	RESULT	SPECIFICATION
Water activity (a_w)	0,370	< 0,7
alpha-Tocopherol (%)	0,26	n.s.
Total monounsaturated fatty acids (%)	5,6	n.s.
Total saturated fatty acids (%)	2,9	n.s.
Total polyunsaturated fatty acids (%)	89,0	n.s.
Total fat (%)	100,0	n.s.

Acid value (mg KOH/g)	1,9	< 10
Ester value (mg KOH/g)	198	n.s.
Refractive index at 20 °C	1,5191	1,513 - 1,525
Unsaponifiable matter (%)	3,3	n.s.
Water content (%)	0,13	< 0,5
Peroxide value (meq O2/kg)	3,2	< 10
Saponification value (mg KOH/g)	199	n.s.
Squalene, C30H50 (%)	0,074	n.s.
Total sterols (as sitosterol) (%)	0,66	n.s.
Specific density at 20 °C (g/cm3)	0,9401	0,930 - 0,950
Total tocopherols (as alpha-tocopherol) (%)	0,26	

3 FATTY ACID PROFILE

PARAMETER	RESULT	SPECIFICATION
CLnA isomers (%)	10,6	n.s.
Alpha-linolenic acid C18:3	0,48	n.s.
Arachidic acid C20:0	0,69	n.s.
Linoleic acid C18:2	4,9	n.s.
Oleic acid C18:1	5,2	n.s.
Palmitoleic acid C16:1	0,0072	n.s.
Palmitic acid C16:0	2,6	n.s.
Punicic acid C18:3	73,0	> 60
Stearic acid C18:0	2,2	n.s.
Vaccenic acid C18:1	0,40	n.s.

Document is signed with a qualified electronic signature, which has the same legal effect as a handwritten signature.

DIGITALLY SIGNED DOCUMENT

Signed by: Handymade s.r.o. — Quality department

Signed on: 2. 9. 2026 · Fingerprint: 67CA 69E7 8B0C ECF9

Handymade

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