PRODUCT SPECIFICATION SHEET FOR CALENDULA OIL

GENERAL INFORMATION

INCI Name	Calendula officinalis Flower infused in base oil
Botanical source	*Calendula officinalis*
Botanical family	Asteraceae
Description	Calendula Macerated / infused in Olive oil is obtained by the maceration of Calendula Officinalis Flower in Extra -virgin *Olea europaea L.* Oil.
Status	Conventional / Organic
Part of Plant Used	Flowers & petals.
Production Process	Maceration & infusion Techniques
Origin	Egypt.
Manufacturer	Pure Essential Oils & Herbs Co.

REGULATORY INFORMATION

FEMA	2658	EINECS	283-949-5
FDA	182.2	CAS EINECS	8001-21-6
CAS TCSA	84776-23-8	Product Code	PCP04200

PHYSICAL PROPERTIES

Appearance	Pale Yellow, dark yellow-green to deep orange liquid		
Odor/taste	Characteristic herbaceous-green, floral odor		
Solubility	Insoluble		
Refractive index @20°C	1.450 - 1.480	Acid Value	≤ 4.0
Density @20°C	0.900 - 0.930	Iodine value (g/100g)	112.0 - 145.0
Optical Rotation @20°C	-2 to +20	Free Fatty Acid (% as Oleic)	≤ 2.0
Peroxide	≤ 20.0		
Shelf Life	12 to 24 Months		
Uses	Pharmaceutical Industries , Aromatherapy		

Fatty Acid Profile

Palmitic Acid	7.50 – 15.00	Stearic Acid	0.50 – 6.00
Oleic Acid	50.00 – 75.00	Palmitoleic Acid	0.30 – 3.50
Linoleic Acid	3.50 – 21.00		

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

Disclaimer:

The information contained in this specification is based on data considered to be accurate and reliable as at the date of the specification to the best of the supplier's knowledge and belief. It is user's obligation to determine the safe use of the product for its own applications or suitability for use since the conditions of use, handling, storage and disposal are beyond the supplier's control. The user should therefore take all necessary precautions to ensure the safe and suitable use of the product described in the specification.

Approved by:	QA	Version:	2 July 2022