

**TECHNICAL DATA SHEET**

Effective date: 02.2020

Arnica CO<sub>2</sub> Extract**INFORMATION ON SUBSTANCE / MIXTURE**

INCI	Helianthus annuus (Sunflower) seed oil, Arnica montana (Arnica) flower extract
Botanical name	Arnica montana
Manufacturing process	By supercritical fluid extraction with natural carbon dioxide, no solvent residues, no inorganic salts, no heavy metals, no reproducible microorganisms. This CO <sub>2</sub> -extract is standardized with sunflower oil (organic) to a fixed content of sesquiterpene lactones.
Part used	Dried flowers
Description	Contains all CO <sub>2</sub> -soluble lipophilic components
Composition	3,5 - 4,5 % sesquiterpene lactones, triterpenediol esters (faradiol- and arnidiol-ester), a small amount of essential oil, waxes, resins and 70% sunflower oil (organic)

**TECHNICAL DATA****Physical parameters**

Appearance	Liquid to viscous
Color	Dark brown
Odor	Characteristic
Relative density at 20°C	-
Refractive index at 20°C	-
Optical rotation at 20°C	-
Flash point	+100°C

**Chemical composition**

Content of essential oil	0,3 – 1,5 %
Triterpenediol Esters (calc. as Faradiol)	> 1,0 %
Helenalin	< 0,02 %
11 alpha,13-Dihydrohelenalin	0,05 %
Peroxide value	1,8 meq O <sub>2</sub> /kg

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Arnica CO<sub>2</sub> Extract**TRANSPORT, STORAGE and SHELF LIFE**

Storage conditions	Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container
Shelf Life	48 months under good storage conditions
Custom tariff	-

**LEGISLATION**

Certification	-
Halal Status	Certified by Halal Certification Services (HCS)
Kosher Status	Certified by London Beth Din Kashrut Division (KLBD)
EINECS	232-273-9 / 273-579-2
CAS	8001-21-6 / 68990-11-4

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