

**TECHNICAL DATA SHEET**

Effective date: 04.2019

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

INCI	Capsicum frutescens (Chili) fruit extract, Helianthus annuus (Sunflower) seed oil
Botanical name	Capsicum frutescens
Manufacturing process	By supercritical fluid extraction with natural carbon dioxide, no solvent residues, no inorganic salts, no heavy metals, no reproducible microorganisms. The extract is standardized by addition of sunflower oil (organic)
Part used	Dried fruits with seeds
Description	Contains all CO <sub>2</sub> -soluble lipophilic components
Composition	4,8 - 5,2 % total capsaicinoids (containing nordihydrocapsaicin, capsaicin, dihydrocapsaicin), carotenoids (beta-carotene, capsanthin, capsorubin), fatty oil.

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

Appearance	Liquid
Color	Red
Odor	Characteristic, pungent
Relative density at 20°C	-
Refractive index at 20°C	-
Optical rotation at 20°C	-
Flash point	+100°C

**Chemical composition**

Nordihydrocapsaicin	0,27 %
Nonivamide	0,04 %
Capsaicin	3,0 %
Dihydrocapsaicin	1,6 %
Sum of Carotenoids (calc. As β-Carotene)	0,139 %
Ochratoxin A	0,26 ppb

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Chili 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	288-920-0 / 232-273-9
CAS	85940-30-3 / 8001-21-6

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