

Technical Data Sheet

Version: 1.0 EN

Menthol crystals made from 100% mint oil

Article number: D10143

General Information

Origin	Menthol crystals are obtained from pure, natural mint oil derived from all plants of the <i>Mentha</i> genus (mint). They are produced by extracting and isolating the menthol from the essential oil of mint; the characteristic clear, needle-shaped crystals are formed when the oil is cooled.
CAS Number	2216-51-5
EC Number	218-690-9
REACH Number	01-2119973492-30-XXXX
Molecular Formula	C ₁₀ H ₂₀ O
Appearance	Colourless, lustrous, prismatic or needle-like crystals
Packaging	25 kg round drums and small containers
Shelf life	60 months
Applications	Use as a fragrance; preparation of sauna infusions
Allergens	Free from allergens subject to mandatory declaration under Regulation (EU) No 1169/2011
Compliance	BP 2022, USP 43, EP 10.0, Regulation (EC) No 1272/2008, Regulation (EC) No 1829/2003 and 1830/2003

Specification Values

Parameter	Value
Content	98.0–102.0%
Solubility	Practically insoluble in water Very soluble in ethanol, ether, and light petroleum Freely soluble in fatty oils and paraffin Slightly soluble in glycerin
Melting point	Ca. 43°C
Specific rotation	–48 to –51 °C

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Lead	2,5 mg/kg
Arsenic	1,1 mg/kg
Mercury	1,0 mg/kg
Residue on evaporation	≤ 0.05%
Related substances	≤ 1.0%

Additional Information

All details are based on our current state of knowledge and are not transferable to other products. They do not constitute a warranty or guarantee of specific properties or suitability for particular applications. Each use of our supplied products must be tested in the respective application and checked for any existing property rights. Color and form of the product may slightly vary within a production batch due to the manufacturing process.

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