

# Technical Data Sheet

Version: 1.0 EN

## Menthol crystals made from 100% mint oil

Article number: D10290

### General Information

|                   |                                                                                                                                                                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Origin            | Menthol crystals are obtained from pure and natural mint oil from all plants of the Mentah (mint) genus. They are produced by extracting and isolating the menthol from the essential oil of mint, whereby the characteristic clear, needle-shaped crystals are formed by cooling the oil. |
| CAS Number        | 2216-51-5                                                                                                                                                                                                                                                                                  |
| EC Number         | 218-690-9                                                                                                                                                                                                                                                                                  |
| REACH Number      | 01-2119973492-30-XXXX                                                                                                                                                                                                                                                                      |
| Molecular Formula | C <sub>10</sub> H <sub>20</sub> O                                                                                                                                                                                                                                                          |
| Appearance        | Colourless, needle-like crystals                                                                                                                                                                                                                                                           |
| Packaging         | 50g can                                                                                                                                                                                                                                                                                    |
| Shelf life        | 60 months                                                                                                                                                                                                                                                                                  |
| Applications      | Use as a fragrance; preparation of sauna infusions                                                                                                                                                                                                                                         |
| 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<br>Very soluble in ethanol, ether, and light petroleum<br>Freely soluble in fatty oils and paraffin<br>Slightly soluble in glycerin |
| Melting point     | Ca. 43°C                                                                                                                                                           |
| Specific rotation | –48 to –51 °C                                                                                                                                                      |
| Lead              | 2,5 mg/kg                                                                                                                                                          |
| Arsenic           | 1,1 mg/kg                                                                                                                                                          |
| Mercury           | 1,0 mg/kg                                                                                                                                                          |

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|                        |         |
|------------------------|---------|
| 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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