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Nature is not replaceable ...

CERTIFICATE OF ANALYSIS

Article 10368 L-Menthol natural bold / large crystals
"Mentha & Allied"
Ref. 2875001/Z Batch SBM222304
Production Date 02.05.2022 Retest Date 01.05.2027

Parameter	Method	Unit	Specification	Result
Appearance	Ph. Eur.		prismatic or acicular, colourless, shiny crystals	conform
Solubility	Ph. Eur.		conforms with requirement of Ph.Eur.	conform
Identification	Ph. Eur.		passes test A and C (TCL) of Ph.Eur. passes test A (GC) and B of USP	passes tests
Appearance of solution	Ph. Eur.		clear and colourless	conform
Acidity or alkalinity	Ph. Eur.		passes test	conform
Specific optical rotation	Ph. Eur.	°	-48 to -51	-49.63
Related substances (GC)	Ph. Eur.		passes test	conform
Residue on evaporation	Ph. Eur.	%	max. 0.05	0.02
Assay	USP/NF	%	98.0 - 102.0	99.5
Limit of nonvolatile residue	USP/NF	%	max. 0.05	0.02
Related compounds	USP/NF		individual impurities: max. 0.3 total impurities: max. 2.0	conform
Melting range	USP/NF	°C	41 - 44	43

The specified test methods may differ from the actual methods used; but in the majority they are identical.

The analysed sample material meets the respective purity requirements of
Ph.Eur. 10.4 (monograph 0619) ; USP 43 / NF 38 (monograph)

Signature: *Elke Ehnde*

P. Gossler

Hamburg, 21.07.2022