



武汉福鑫化工有限公司

Wuhan Fortuna Chemical Co.,Ltd

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CERTIFICATE OF ANALYSIS

Product: Natural Menthol

Mfg. date: Oct., 09, 2018

Exp. date: Oct., 08, 2020

Lot No.: 181014

Quantity: 500kgs

Items	Specifications	Results
Appearance	Transparent prismatic or acicular crystals, aroma of Asia natura menthol feature.	Conforms
Solubility	Add 1g sample to 5ml of ethanol 90%(v/v), obtaining a settled solution	Conforms
Melting point	41.0--44°C	42.8°C
Specific rotation(20°C)	-45° ~ -51°	-49.7°
Non volatile matter	≤0.05%	0.01%
Related Substances	Individual impurity ≤0.3% Total impurities ≤2.0%	<0.3% 1.2%
Heavy Metal	≤10PPM	< 10PPM
As	≤3PPM	< 3PPM
L-Menthol assay	98.0% - 102.0%	99.1%
Conclusion	The product conforms to the standard of USP39.	

QC: Luo Xiaofeng

Tester: AT03

Re-tester: AT01