



河北雅珩进出口有限公司
HeBei YaHeng Import and Export Trading CO.,LTD

Certificate of Analysis

Article	Menthol Crystal		
Batch number	241026	Packing	25kg Net fibre drum
Quantity (Drums)	40	Weight(kgs)	1000
Report date	Oct 27,2024	Testing standards	BP2016/USP40
Manufacturing date	Oct 26,2024	Expiry date	Oct 25,2027
Items	Standards		Analytical results
	USP40	BP2016	
Identification	Colourless,transparent hexagonal or needlelike crystals.		Complies with standard
Melting point (°C)	41~44°C	About 43°C	42.3°C
Solubility	1g soluble in 5ml of 90%(v/v) alcohol, forming a clear solution		Complies with standard
Specific rotation(25°C)	-45°~-51°	-49°~-50°	-49.7°
Limit of Nonvolatile residue(%)	Not overrun 0.05 under condition of 105°C		0.01
Organic volatile impurities	Solvent-Use dimethyl sulfoxide		Meets the requirement
Chromatographic purity	The peak response due to menthol is not less than 97%		99.37
As content	≤ 3ppm		Absent
Heavy metals	≤ 10ppm		Absent
Residue on ignition	≤ 0.1%		0.03%
Related substances	Examine by gas chromatography		Meets the requirement
Conclusion	Analytical results conforming to standard BP2016/USP40		

Inspector:Ming Ming Ma

Principal:Xiao Lei Chai

