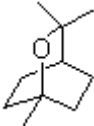


CERTIFICATE OF ANALYSIS

NO: DYC021406105

Product name	Cineole
CAS Number	470-82-6
Molecule Structure	
Molecule Formula	C10H18O
Batch number	20131012
Manufacture Date	2013-10-12
Testing date	2013-10-12

Items	Standard	Result
Appearance	Colorless to light yellow liquid; cool and refreshing aroma with some smell of camphor	Qualified
Relative density (20/20 °C)	0.921~0.924	0.920
Refractive index(20 °C)	1.455~1.460	1.458
Specific optical rotation (20°C)	-5° ~ +5°	+3°
Arsenic(based on As)	3ppm max	1.9ppm
Melting point	179°C	Qualified
Solubility	Soluble in 50% ethanol	Qualified
Heavy metal(based on Pb)	10ppm max	4.5ppm
Assay	99.0% min	Qualified
Conclusion	The quality is according with BP2012	

Hangzhou Dingyan Chem Co., Ltd.
 QUALITY CONTROL: *Xuefen Chen*
 Quality Control Signature

CHECK:姚仙娟

INSPECTOR: 刘清风