

CERTIFICATE OF ANALYSIS

Eucalyptus Essential oil

Product Name: Eucalyptus Essential oil

Botanical Name: *Eucalyptus camaldulensis* Dehnh.

Extraction process: hydro-distillation

Row	Test	Method of Analysis	Specifications	Result	
1	Color	Visually & organoleptic	Colorless to pale yellow	Colorless	
2	Clarity		Clear	Clear	
3	Odor		Eucalyptus special	Eucalyptus special	
4	Specific Gravity (g/ml)	USP40<841>	0.906 - 0927	0.902	
5	Refractive Index (nD)	ISIRI2274-6	1.458 – 1.470	1.4581	
6	Optical Rotation (°)	ISIRI2274-5	0 – 10	1.77	
7	Solubility	In House	1:5 in ethanol 70 ⁰	Clear	
8	Assay	In House	α-pinene (%)	Traces to 10.0	5.20
			β-pinene (%)	Less than 1.5	0.16
			α-phellandrene (%)	Less than 1.5	0.23
			Limonene (%)	Traces to 15.0	2.94
			1,8-Cineole (%)	Minimum 70.0	80.89