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TROPICAL BIOESSENCE SDN. BHD.

CERTIFICATE OF ANALYSIS

Product : Aniseed Essential oil
Botanical name : Illicium verum (China)
Product Code : ANSEO 01
Mfg Date : May 2025 Exp Date : May 2028 Batch no: 052551B
Method : Steam Distillation

Appearance : Colorless to pale yellow liquid
Odour : Intensely spicy-sweet, characteristic licorice-like
Refractive index (20°C) : 1.5472
Specific gravity (20°C) : 0.9781
Optical Rotation : -1.9°
Solubility : Soluble in Alcohol and Fixed Oil, Insoluble in Water

TEST	RESULT	STANDARD
Heavy Metals Content		
Arsenic (mg/kg)	N.D (<0.1ppm)	BP 2013, Appendix IID, ICP-AES
Lead (mg/kg)	N.D (<0.5ppm)	BP 2013, Appendix IID, ICP-AES
Cadmium (mg/kg)	N.D (<0.1ppm)	BP 2013, Appendix IID, ICP-AES
Mercury (mg/kg)	N.D (<0.1ppm)	BP 2013, Appendix IID, ICP-AES
Microbial Content		
<i>Pseudomonas aeruginosa</i>	Absent in 1g	BP 2013, Appendix XVIB, 1
<i>Staphylococcus aureus</i>	Absent in 1g	BP 2013, Appendix XVIB, 1
<i>Total Combined Yeast and Mould</i>	ND(<10) CFU/g	BP 2013, Appendix XVIB, 2
<i>Total Aerobic Microbial Count</i>	ND(<10) CFU/g	BP 2013, Appendix XVIB, 2
Assay by GC		
Trans Anethole	87.71%	
γ-Himachlene	3.57%	
D- Carvone	1.19%	

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