



Ultra International B.V.

Essential Oils, Ingredients, F & F

TECHNICAL DATA SHEET

Sr. No. : 1088-V-02

Printed Date 18/01/2017

Item Code	:	1088	Date	:	13/06/2014
Item Name	:	AUSTRALIAN TEA TREE OIL B.P.	Version	:	02

CAS #	68647-73-4
FEMA #	3902
EINECS #	285-377-1
Botanical Name	Melaleuca alternifolia
Product Description	Clear colourless to pale yellow mobile liquid with powerful, fresh, warm spicy earthy odour
Origin	Obtained by steam distillation from foliage and terminal branches of Melaleuca alternifolia.

PHYSICO-CHEMICAL PROPERTIES :

Appearance	Colourless to pale yellow
Physical Status	LIQUID
Flash Point (Closed cup) °C	47°C
Refractive Index	1.475 - 1.482 @20°C
Relative Density	0.885 - 0.906 @20°C
Optical Rotation	+5° to +15°
Solubility in Alcohol	Soluble
Solubility in Water	Insoluble
Main Components by GLC	gamma-Terpinene: 10 - 28% Terpinolene: 1.5 - 5% alpha-Terpinene: 5 - 13% Sabinene: max. 3.5% para-Cymene: 0.5 - 12%
	1,8-cineol: max 15% Terpinen-4-ol: min 30% alpha-Pinene: 1 - 6.0% Limonene: 0.5 - 4% alpha-Terpineol: 1.5 - 8%

Shelf Life	12 months under recommended storage conditions.
Legislation	Natural
Stability	Avoid strong acids strong bases and all oxidising agents
Uses	Food/Flavour, Fragrance application

HANDLING PRECAUTION	Handle in adequate ventilation, avoid skin and eye contact, use goggles or face shield and wear protective clothing
---------------------	---

PACKING & STORAGE	Store at ambient temperature, dry and well-ventullated area, away from heat source and protected from light. Store in tightly sealed original containers, packed in Aluminium bottles, HDPE Food grade cans, MS Coated Drums or GI Drums. Keep air contact min
-------------------	--

NOTE : THIS IS A SYSTEM GENERATED DOCUMENT HENCE NEED NOT BE AUTHENTICATED.