Ultra International B.V.

Essential Oils, Ingredients, F & F

TECHNICAL DATA SHEET

Sr. No. : RM0005-V-02 **Printed Date : 15/04/2015**

Item Code : RM0005 **Date : 17/06/2013**

Item Name : NUTMEG OIL **Version : 02**

CAS #	8008-45-5
FEMA #	2793
EINECS #	282-013-3
Botanical Name	Myristica fragrans Houtt.
Product Description	Colourless to pale yellow mobile liquid with characteristic odour
Origin	Obtained from steam distillation from seeds/kernals of Myristica fragrans

PHYSICO-CHEMICAL PROPERTIES :

Appearance	Colourless to pale yellow, clear liquid
Physical Status	LIQUID
Flash Point (Closed cup) °C	43ºC
Refractive Index	1.474 - 1.488 @20ºC
Relative Density	0.883 - 0.923 @25ºC
Optical Rotation	+8º to +30º @25ºC
Solubility in Alcohol	1:2.5 (v/v) in 85% alcohol
Solubility in Water	Insoluble
Main Components by GLC	alpha-pinene: 19 - 22.5% beta-pinene: 13.5 - 15.5%
	Myristicin: 8 - 11% Sabinene: 17 - 22%
	gamma-Terpinene: 3.6 - 5.2%
Shelf Life	12 months under proper 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	Should be stored in a cool, dry well ventilated places in fully tight sealed containers protected from light. Containers should be kept away from light and source of ignition.

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