



# TECHNICAL DATA SHEET

**PRODUCT:** TAMANU OIL (PURE VIRGIN)

**ITEM NUMBER:** 05-5511

**CERTIFICATIONS:**



- **INCI NAME:** *Calophyllum Inophyllum Seed oil* ● **REACH STATUS #:** Exempt
- **CAS NUMBER:** 223748-12-7 ● **EINECS NUMBER:** Not Applicable

**DESCRIPTION:** THE OIL OF TAMANU IS EXTRACTED BY A COLD PRESSED METHOD FROM THE SEED OF THE POLYNESIAN TAMANU TREE. THE OIL IS 100% PURE VIRGIN TAMANU OIL, NON-REFINED AND NON-DEODORIZED.

**ANALYSIS**

**SPECIFICATION**

APPEARANCE	DARK GREEN TO BROWN, SEMI VISCOUS OIL
COLOR BY GARDNER (10% MINERAL OIL)	10 MAXIMUM
ODOR	NUTTY
IDENTIFICATION BY FT-IR	SPECTRAL COMPARISON
MOISTURE	LESS THAN (<) 1%
REFRACTIVE INDEX @ 25°C	1.30 – 1.50
SPECIFIC GRAVITY @ 25°C	0.91 – 0.95
AOM @ 20-50 hours	20 meq/Kg MINIMUM
SAPONIFICATION VALUE	150 – 200
IODINE VALUE	80 – 120 g /100g
PEROXIDE VALUE (AT TIME OF DRUMMING)	6.0 meq/Kg MAXIMUM
MICROBIOLOGY	
AEROBIC	LESS THAN 100 CFU/mL
MOLDS & YEAST	LESS THAN 100 CFU/mL
MICROBIAL E. COLI	ABSENT
MICROBIAL SALMONELLA	ABSENT

SHELF LIFE: 2 YEARS FROM MANUFACTURING DATE, IN AN UNOPENED CONTAINER  
 OPTIMAL STORAGE CONDITIONS: STORE IN A ROOM WITH A TEMPERATURE WITHIN 15 °C TO 25 °C  
 NO PRESERVATIVES ADDED  
 “THE MATERIAL SHOULD BE KEPT IN TIGHTLY CLOSED CONTAINERS PROTECTED FROM DIRECT SUNLIGHT”  
 RAW MATERIAL FOR FURTHER PROCESSING  
 Exposure to cool temperatures may result in partially or completely solidification of the oil, warm the product until clear to ensure homogeneity.

REVISION DATE: 06-05-20