

PRODUCT SPECIFICATION SHEET

Product name : COSMOS Kukui Nut Oil
 INCI name : Aleurites Moluccanus Seed Oil
 Product code: KEM001
 CAS No : 8015-80-3
 EINICS No : 273-313-5
 Country of origin : Indonesia
 Manufacturing method : Expeller pressed, no solvents added
 Shelf life : 2 years
 Last reviewed : Jan 2026

Analysis	Specification	Unit	Method
Appearance	Clear liquid with color ranging from yellow to reddish-orange or amber brown	-	visual
Odour	Characteristic with no rancid notes	-	olfactory
Lovibond Yellow	Max 50	5¼ inch	WV.OIL.9, ISO 15305)"B"
Lovibond Red	Max 5.0	5¼ inch	WV.OIL.9, ISO 15305)"B"
Peroxide Value	Max 20	Meq O2/kg	ISO 3960
Iodine Value (Wij's)	140-160	g I2/100g	EN-ISO 3961
Relative Density (20/20°C)	0.90-0.93	-	WV.OIL.22, ~ASTM D 4052
Acid Value	Max 10	mg KOH/g	WV.OIL.20, EN-ISO 660
Refractive Index at 20°C	1.470 to 1.480	-	OIL105, ~EN-ISO 6320
Fatty acid profile			
- Palmitic acid (C16:0)	<10	%	ISO 12966
- Stearic acid (C18:0)	<10	%	ISO 12966
- Oleic acid (C18:1; Omega 9)	15-30	%	ISO 12966
- Linoleic acid (LA) (C18:2; Omega 6)	20-50	%	ISO 12966
- Linolenic acid ALA (C18:3; Omega 3)	20-40	%	ISO 12966