



Moringa Oil

Technical Data Sheet

Company Information		
Supplier Information <i>American Distribution Center</i>	<i>DLG Naturals Inc.</i> sales@dlgnaturals.com +1-844-354-6677	2949 West Venture Drive Ste 100; dock 130 Janesville, WI 53546
Supplier Information <i>Botswana Production Center</i>	<i>DLG Naturals BW</i> sales@dlgnaturals-bw.com +267 74 118 639	<i>Mailing Address:</i> PO Box 909 Gaborone, Botswana <i>Physical Location:</i> Plot 4313, Gasiko Ward Gabane, Botswana

Overview Information	
Botanical Name	Moringa oleifera
INCI Name (USA)	Moringa oleifera Seed Oil
CAS Number	93165-54-9
EC Number	296-941-1

Product Specifications

Description	Botanical oil pressed from the kernels of <i>Moringa oleifera</i>
Physical State	Liquid at 75°F / 25°C
Color	Semi-transparent yellow
Odor	Low; characteristic of seed-oils
Taste	Low; characteristic of seed-oils (not intended for consumption)
Specific Gravity	0.910 – 0.930
Refractive Index	1.48 – 1.49
Iodine Value	95 - 140 g/100g
Saponification Value	175 - 205 mg (KOH/g)

Fatty Acid Profile

Avg. Saturated Fatty Acids	21%
Avg. Monounsaturated Fatty Acids	78%
Avg. Polyunsaturated Fatty Acids	1%
Myristic Acid - 14:0	< 1%
Palmitic Acid - 16:0	7 - 10%
Palmitoleic Acid - 16:1	1 - 2%
Stearic Acid - 18:0	2 - 8%
Oleic Acid (Omega 9) - 18:1	68 - 80%
Linoleic Acid (Omega 6) - 18:2	1 - 2%
Alpha-linolenic Acid (Omega 3) - 18:3	< 1%
Arachidic Acid - 20:0	2 - 5%
Eicosenoic Acid - 20:1	1 - 2%
Behenic Acid - 22:0	3 - 7%

Storage Conditions

Overview	Stable; 2-3+ year shelf life in optimal conditions
Optimal Storage Conditions	Sealed, non-transparent container in dry, cool, well-ventilated area
Safe Temperature	60-75°F / 18-25°C Higher temperature may reduce shelf life; cooler temperature may cause partial solidification ("ghosting"); gently heat to safe temperature should solidification occur
Light Sensitivity	Low, may increase peroxide and/or iodine levels; store out of direct sunlight for prolonged periods
Moisture Sensitivity	Moderate, may increase risk of bacterial growth; store in sealed container
Oxidation Sensitivity	Moderate, may increase peroxide and/or iodine levels; store in sealed container

Safety

Overview	Generally safe
Inhalation	May cause lung congestion; seek immediate medical attention in case of inhibited breathing
Ingestion	Not harmful
Eye Contact	Rinse eyes until clean; may result in irritation, seek medical attention if symptoms persist
Skin Contact	Not harmful
Allergic Reaction	Rare; thoroughly wash area with soap and water; seek medical attention if symptoms persist
Toxicological Information	N/A
Occupational Exposure Limit	N/A
Flammable	Yes; keep away from flame and heaters

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