

AIPRIME NUTRITIONS PRIVATE LIMITED

(KAKINADA LOCATION)

CERTIFICATE OF ANALYSIS

Product Name: Organic MCT Oil
Product Code: MCT-COCO
Production Date: MAY 2024.
Expiry Date: MAY 2027.
Batch Number: AIPN-2/OMCT/24/5M6.
Plant Base: Coconut.



Parameter	Specifications	Test Method	RESULT
Odor	Odorless	Sensory	Odorless
Acid Value (mg KOH/g)	0.1 max	ISO 660	0.01
Saponification Value	325-345	ISO 3657	336
Iodine Value (g I/100g)	0.5 max	AOCS Tg 1a-64	0.10
Hydroxyl Value (mg KOH/g)	5 max	AOCS Cd 13-60	2
Moisture	0.1 max	ISO 662	0.02
Cloud Point	-5°C max	AOCS Ce 6-25	<0.01
Peroxide Value(meq O ₂ /kg)	1 max	ISO 3960	<0.01
Colour,APHA	50 max	AOCS Ea 9-65	10
Unsaponifiable matter	0.5 max	ISO 3596	0.22
Ash	0.1 max	AOCS Ba5-49	<0.01
Relative Density at 20°C	0.930-0.960	ISO 6883	0.95
Refractive Index at 20°C	1.440-1.452	ISO 6320	1.449
Viscosity at 20°C (mPas)	25-33	AOCS Ja 10-87	30
Caproic (C6:0)	1 Max	ISO 12966-2	0.00
Caprylic (C8:0)	55-65	ISO 12966-2	59.00
Capric (C10:0)	35-45	ISO 12966-2	41.00
Lauric (C12:0)	1 max	ISO 12966-2	0.00

Microbiological Parameters:

Parameter	Specifications	Test Method	RESULT
Aerobic plate count	<1000 cfu/g	ISO 4833-1:2013	<100 cfu/g
Yeast & Mould	<100 cfu/g	ISO 21527-1:2008	<10 cfu/g
Staphylococcus Aureus	Absent in 1 g	ISO 6888-1:1999	Absent
Salmonella	Absent in 25 g	ISO 6579-1:2017	Absent
Escherichia Coli	Absent in 1 g	ISO 16649-2:2001	Absent
Coliforms	Absent	ISO 4832:2006	Absent

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Heavy Metals Parameters:

Parameter	Specifications	Test Method	RESULT
Lead (mg/kg)	1 max	AOAC 2015.01 by ICP-MS	< 1.00
Cadmium(mg/kg)	1 max	AOAC 2015.01 by ICP-MS	< 1.00
Arsenic(mg/kg)	1 max	AOAC 2015.01 by ICP-MS	< 1.00
Mercury(mg/kg)	1 max	AOAC 2015.01 by ICP-MS	< 1.00

