

# AIPRIME NUTRITIONS PRIVATE LIMITED

(KAKINADA LOCATION)

## CERTIFICATE OF ANALYSIS

Product Name: Organic MCT Oil  
Product Code: MCT-COCO  
Production Date: NOVEMBER 2023.  
Expiry Date: NOVEMBER 2026.  
Batch Number: AIPN-2/OMCT/23/11M5.  
Plant Base: Coconut.



Parameter	Specifications	Test Method	RESULT
Odor	Odorless	Sensory	Odorless
Acid Value (mg KOH/g)	0.1 max	ISO 660	0.02
Saponification Value	325-345	ISO 3657	335
Iodine Value (g I/100g)	0.5 max	AOCS Tg 1a-64	0.03
Hydroxyl Value (mg KOH/g)	5 max	AOCS Cd 13-60	1
Moisture	0.1 max	ISO 662	0.02
Cloud Point	-5°C max	AOCS Ce 6-25	<-5°C
Peroxide Value(meq O <sub>2</sub> /kg)	1 max	ISO 3960	<0.01
Colour,APHA	50 max	AOCS Ea 9-65	16
Unsaponifiable matter	0.5 max	ISO 3596	0.25
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	29
Caproic (C6:0)	1 Max	ISO 12966-2	0.15
Caprylic (C8:0)	55-65	ISO 12966-2	60.20
Capric (C10:0)	35-45	ISO 12966-2	39.50
Lauric (C12:0)	1 max	ISO 12966-2	0.15

### 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	BLQ
Cadmium(mg/kg)	1 max	AOAC 2015.01 by ICP-MS	BLQ
Arsenic(mg/kg)	1 max	AOAC 2015.01 by ICP-MS	BLQ
Mercury(mg/kg)	1 max	AOAC 2015.01 by ICP-MS	BLQ

**BLQ REFERS TO** Below the Limit of Quantitation

