LAB ALLEY
ESSENTIAL CHEMICALS

Certificate of Analysis

Product: MCT Oil Coconut Based USP/FCC/Food Grade, Kosher, Halal
Item Number: MCTC
CAS#: 7440-44-0
Grade: USP/FCC
Lot Number: 5002466/1.1
Manufacture Date: 12/10/2025
Expiration Date: 12/09/2028
Country of Origin: Malaysia

Tested Property	Specification	Analysis
Color	50 APHA Max	10 APHA
Iodine Value	1.0 g I/100g Max	0.2 g I/100g
Peroxide Value	1.00 meq/kg Max	0.10 meq/kg
Acid Value	0.1 mg KOH/g Max	0.01 mg KOH/g
Saponification Value (mg KOH/g)	325 - 345 mg/g	332 mg/g
Hydroxyl Value	10 mg KOH/g Max	2.8 KOH/g
Moisture	0.15% Max	0.03%
Unsaponifiable Matter	0.5% Max	<0.5%
Total Ash	0.1% Max	<0.1%
Relative Density at 20ºC	0.930 - 0.960	0.95
Refractive Index at 20ºC	1.440 - 1.452	1.449
Dynamic Viscosity at 20ºC (mPas)	25 - 33	30
Caproic (C6:0)	2% Max	0.1%
Caprylic (C8:0)	55 - 65%	58.3%
Capric (C10:0)	35 - 45%	41.2%
Lauric (C12:0)	3% Max	0.10%
C14:0	1% Max	0.0%
Arsenic	0.50 ppm Max	<0.50 ppm
Chromium (Cr)	0.05 ppm Max	<0.05 ppm
Copper (Cu)	0.1 ppm Max	<0.1 ppm

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Nickel (Ni)	0.2 ppm Max	<0.2 ppm
Tin (Sn)	0.1 ppm Max	<0.1 ppm
Heavy Metals	10 ppm Max	<10 ppm
Appearance	Clear liquid, free from foreign matter	Pass
Identification A	Pass the Test	Pass
Identification B	Pass the Test	Pass
Alkaline Impurities (0.01M HCl)	0.15 mL Max	<0.15 mL
US Pharmacopoeia Monograph	Pass the Test	Pass
Lead	0.1 ppm Max	<0.1 ppm

Store in a cool and well-ventilated environment.

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Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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