

**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: 5002317/1.1**  
**Manufacture Date: 12/02/2025**  
**Expiration Date: 12/01/2028**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Color	50 APHA Max	12
Iodine Value	1.0 g I/100g Max	0.10
Peroxide Value	1.00 meq/kg Max	0.10
Acid Value	0.1 mg KOH/g Max	0.01
Saponification Value (mg KOH/g)	325 - 345 mg/g	334
Hydroxyl Value	10 mg KOH/g Max	4.6
Moisture	0.15% Max	0.02
Unsaponifiable Matter	0.5% Max	<0.5
Total Ash	0.1 Max	<0.1
Relative Density at 20°C	0.930 - 0.960	0.95
Refractive Index at 20°C	1.440 - 1.452	1.449
Dynamic Viscosity at 20°C (mPas)	25 - 33	29
Caproic (C6:0)	2% Max	0.1
Caprylic (C8:0)	55 - 65%	59.0
Capric (C10:0)	35 - 45%	40.60
Lauric (C12:0)	3% Max	0.10
C14:0	1% Max	0.0
Arsenic	0.50 ppm Max	<0.50
Chromium (Cr)	0.05 ppm Max	<0.05
Copper (Cu)	0.1 ppm Max	<0.1

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Nickel (Ni)	0.2 ppm Max	<0.2
Tin (Sn)	0.1 ppm Max	<0.1
Heavy Metals	10 ppm Max	<10
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
US Pharmacopoeia Monograph	Pass the Test	Pass
Lead	0.1 ppm Max	<0.1

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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