

Certificate of Analysis

Product: MCT Oil Coconut Based
Item Number: MCTC
Grade: USP/FCC
Lot Number: 5000700/1.1
Manufacture Date: 03/08/2024
Expiration Date: 03/07/2027
Country of Origin: United States

| Tested Property | Specification | Analysis |
|--------------------------------|---------------------------------------|----------|
| Appearance | Clear liquid free from foreign matter | Pass |
| Identification A and B | Meets the test requirements | Pass |
| Color APHA | Max 50 | 16 |
| Acid value, mg KOH/g | Max 0.1 | 0.02 |
| Moisture % | Max 0.1% | 0.04 |
| Peroxide Value, mEq/kg | Max 1 | 0.01 |
| Specific gravity @ 20°C | 0.93 - 0.96 | 0.95 |
| Iodine value , g I2/100g | Max 0.5 | 0.1 |
| Saponification value, mg KOH/g | 300 - 350 | 330 |
| Fatty Acid Composition, C6 | Max 2 % | 0.01 |
| Fatty Acid Composition, C8 | 55 - 65 % | 59.7 |
| Fatty Acid Composition, C10 | 35 - 45 % | 39.8 |
| Fatty Acid Composition, C12 | Max 3% | 0.1 |
| Fatty Acid Composition, C14 | Max 1% | 0.0 |
| Refractive index at 20°C | 1.440 - 1.452 | 1.440 |
| Viscosity at 20°C, mPas | 25 -33 | 30 |
| Unsaponifiable matter, % m/m | Max 0.5 | <0.5 |
| Total Ash | Max 0.1% | 0.0 |
| Hydroxyl Value, mg KOH/g | Max 5 | 2.1 |
| Heavy Metals | Max 10 ppm | <10 |

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|---------------|--------------------------|-------|
| Chromium | Max 0.05 ppm | <0.05 |
| Copper | Max 0.1 ppm | <0.1 |
| Lead | Max 0.1 ppm | <0.1 |
| Nickel | Max 0.2 ppm | <0.2 |
| Tin | Max 0.1 ppm | <0.1 |
| Arsenic | Max 0.5 ppm | <0.5 |
| Alkaline imp. | Max 0.15 ml of 0.01m HCl | <0.15 |

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