



Date: 14/10/2025

CERTIFICATE OF ANALYSIS

Material Code: 514559M
Material Description: EVIREZ MCT 21 190KG MS L
Batch Number: 0000996393
Product Name: EVIREZ MCT 21 190KG MS L
Manufacturing Date: 24/09/2025
Best Before: 23/09/2028
Sales Order Number: 3051304
Customer Name: KRAFT CHEMICAL CO



<u>TEST</u>	<u>UNIT</u>	<u>LIMITS</u>	<u>RESULT</u>	<u>TEST METHOD</u>
Color APHA	APHA	50 Max	17	ASTM D1209-05
Appearance	-	Clear liquid, free from foreign matter	Conform	Visual Appearance
Identification A	-	Meet test requirement	Conform	USP 42
Identification B	-	Meet test requirement	Conform	USP 42
Acid Value (mg KOH/g)	mg/g	0.1 Max	0.03	AOCS Cd 3d-63
Saponification Value (mg KOH/g)	mg/g	325 - 345	340	AOCS Cd 3-25
Iodine Value (gI ₂ /100g)	-	1.0 Max	0.1	AOCS Tg 1a-64
Peroxide Value (meq/kg)	-	1 Max	0.1	AOCS Cd 8b-90 (Modified of Cd 8-53)
Moisture %	%	0.15 Max	0.02	AOCS Ca 2e-84
Refractive Index N ₂₀ /D*	-	1.440 - 1.452	1.449	ASTM D1747-09
Relative Density 20/20°C	-	0.93 - 0.96	0.95	ASTM 7042-20
Hydroxyl Value (mgKOH/g)	mg/g	10 Max	4.7	ASTM D1957-86
Alkaline Impurities (0.01M HCl)*	ml	0.15 Max	< 0.15	USP 42
Dynamic Viscosity 20 °C	mPa.s	25 - 33	30	ASTM D445-19a
Total Ash*	%	0.1 Max	< 0.1	USP 42
Unsaponifiables*	%	0.5 Max	< 0.5	AOCS Ca 6a-40
Heavy Metal*	ppm	10 Max	< 10	ICP-MS
Chromium (Cr)*	ppm	0.05 Max	< 0.05	ICP-MS
Copper (Cu)*	ppm	0.1 Max	< 0.1	ICP-MS
Lead (Pb)*	ppm	0.1 Max	< 0.1	ICP-MS
Nickel (Ni)*	ppm	0.2 Max	< 0.2	ICP-MS
Tin (Sn)*	ppm	0.1 Max	< 0.1	ICP-MS
Arsenic (As)*	ppm	0.5 Max	< 0.5	ICP-MS
C6:0	%	2 Max	0.1	AOCS Ce 1e-91 & Ce 2-66
C8:0	%	55 - 65	61.4	AOCS Ce 1e-91 & Ce 2-66
C10:0	%	35 - 45	38.2	AOCS Ce 1e-91 & Ce 2-66
C12:0	%	3 Max	0.1	AOCS Ce 1e-91 & Ce 2-66
C14:0	%	1 Max	0.0	AOCS Ce 1e-91 & Ce 2-66
US Pharmacopoeia Monograph	-	Meet test requirement	Pass	-

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Remarks:

- 1) Material complies to the specification and is PASS.
 - 2) Best Before Date is applicable for packed products when in unopened container stored under standard storage condition.
 - 3)* Parameter is not tested on every batch and result is determined statistically.
- GMP + FSA ASSURED

Issued by Shipper / Manufacturer / Beneficiary

CERTIFIED BY
HASREEN KHAIRANI SALEHAN
L/3196/9588/22
CHEMIST

