

# Ecogreen Oleochemicals, Inc.

## CERTIFICATE OF ANALYSIS

Date : SEPTEMBER 10, 2024

Product : ROMULGIN GTCC (CAPRYLIC CAPRIC TRIGLYCERIDE)

Customer : KRAFT CHEMICAL

Spec. No. : 38307-01

Customer Code : 306181

Customer PO# : 460924

Ecogreen Order No. : 3011903638

Quantity : 80 - DRUMS

Ecogreen Lot No. : 58-050-BN



Manufacture Date: JUNE 25, 2024

Expiry Date: JUNE 25, 2026

Jl. Pelabuhan Kav. 1 Kabil, Batam Island 29467, Indonesia.

ANALYSIS	TEST METHOD	SPECIFICATION		
		MIN	MAX	
FATTY ACID DISTRIBUTION (wt%)	GAS CHROMATHOGRAPHY			
C6			0.5	0.2
C8		50.0	65.0	53.4
C10		30.0	50.0	46.2
C12			2.0	0.2
C14			0.5	0.0
ACID VALUE (mg KOH/g)	AOCS Te 2a-64; DIN 53 402		0.10	0.04
SAPONIFICATION VALUE (mg KOH/g)	AOCS T1 1a-64; DIN 53 401	325	340	333
IODINE VALUE (g I2/100g)	AOCS Cd 1b-87		0.30	0.05
MOISTURE (wt%)	KARL FISHER METHOD; DIN 51 777/T1		0.20	0.04
COLOR, APHA	AOCS Ea 9-65; DIN ISO 6271		50	20
CLOUD POINT (°C)	AOCS Cc 6-25; ASTM D2500		-5.0	-9.0
HYDROXYL VALUE (mg KOH/g)	DGF H-III 19 (98)		5.0	2.9
PEROXIDE VALUE (mmole O2/kg)	AOCS Cd 8-53		1.00	0.10
UNSATURATED MATTER (wt%)	AOCS Ca 6a-40; DGF C-III 1a		0.50	<0.50
REFRACTIVE INDEX AT 20 °C	ASTM D1747-09	1.4480	1.4500	1.4491
APPEARANCE CONFORMS TO	Ph. Eur	STANDARD		PASS
ODOUR ACCORDING TO	DIN EN ISO 5495	STANDARD		PASS
TASTE ACCORDING TO	DIN EN ISO 5495	STANDARD		PASS

Certified Correct:

Department Manager