

CERTIFICATE OF ANALYSIS

GRAPSEED OIL

GENERAL INFORMATION

CAS NO. : 8024-22-4 Batch NO. : L-23944
Month of Mfg. : JULY 2023

PARAMETER

SPECIFICATION

RESULTS

Organoleptic Parameters

Appearance	Yellowish to green oily liquid	Pass test
Odor	Characteristic	Pass test

Stability Parameters

Acid value / acidity index	0.0 - 0.50 mg KOH/g	0.20
Peroxide value	0.0 – 10.0 meq/kg	< 1

Fatty Acid Profile

C16:0 Palmitic acid	6 – 8 %	6.70 %
C16:1 Palmitoleic acid	0.0 - 0.5 %	0.10 %
C18:0 Stearic acid	3 – 6 %	3.50 %
C18:1 Oleic acid	12 – 28 %	27.90 %
C18:2 Linoleic acid	58 – 78 %	60.00 %
C18:3 Linolenic acid	0.0 - 0.5 %	0.20 %
C20:0 Arachidic acid	0.0 - 0.5 %	0.20 %

Other Parameters

Iodine value	125 – 145 g 12/100g	134
Saponification value	182 – 194	194
Refractive index (20°C)	1.463 – 1.476	1.473
Unsaponifiable matter	0.0 – 1.0 %	0.9
Relative density	0.910 – 0.922 g/ml	0.9183