

Certificate of Analysis

Product: Rosehip Refined Oil

Botanical Name: *Rosa eglantheria*

PHYSICAL AND CHEMICAL PROPERTIES

TEST	SPECIFICATION	RESULT
Appearance	Clear yellow to amber mobile, oily liquid	Conforms
Odour	Characteristic	Conforms
Specific Gravity	0.910 to 0.940 @ 20°C	Conforms
Refractive Index	1.4650 to 1.4900 @ 20°C	Conforms
Acid Value	Max. 1.0 mg KOH/g	Conforms
Iodine Value	170 to 190 gI ₂ /100g	Conforms
Saponification Value	165 to 195 mg KOH/g	Conforms
Unsaponifiable Matter	Max. 1.0% (m/m)	Conforms
Peroxide Value	Max. 5.0 meq O ₂ /Kg	Conforms

FATTY ACID PROFILE

CONSTITUENT	SPECIFICATION	RESULT
Palmitic C 16:0	3.0% to 8.0%	Conforms
Stearic C 18:0	1.0%to 3.0%	Conforms
Oleic C 18:1 n9	10.0% to 15.0%	Conforms
Linoleic C 18:2 n6	41.0% to 51.0%	Conforms
Linolenic C 18:3 n3	28.0% to 38.0%	Conforms