

Product Information

Product Name **BioActive Evening Primrose Oil** Manufacture Date 2021-03-09

Batch No. EPO20210309 Shelf life 24 months

Product Characteristic

CHARACTERISTIC	SPECIFICATION	RESULT
Appearance	Clear pale yellow to yellow oil	Conforms
Gardner color	≤5	5
Moisture& Volatile	≤0.1	< 0.1
Acid Value (mg KOH/g)	≤1.0	0.31
Peroxide Value (meq/kg)	≤10.0	0.18
Cold Test	Clear after 5.5 hours at 0C°	Pass
Unsaponification Matter %	≤2.0	0.82
Saponification Value (mg/g)	189.0-199.0	191.0
Iodine Value (I ₂ /100g)	147-165	153
Specific Gravity (D ²⁰ ₂₀)	Ca.0.923	0.926
Refractive Index(20C°)	Ca. 1.478	1.478
Solvent Residue	Negative	Complies
Pesticide Residue	Negative	Complies
Lead	≤0.1ppm	< 0.1ppm
Arsenic	≤0.1ppm	< 0.1ppm
Cadmium	≤0.1ppm	< 0.1ppm
Mercury	≤0.1ppm	< 0.1ppm
Benzo(α)pyrene	≤2.0ppb	Pass
Sum of B(a)P, B(a)A, B(A)F and chrysene	≤10ppb	Pass
Dioxin	≤0.75 pg/g	Pass
Dioxins & Dioxin-like PCBs	≤1.25 pg/g	Pass
Total PCBs(28,52,101,138,152 et 180)	≤40ng/g	Pass
Solvent Residues	≤1.0ppm	Pass
Total Plate Count	≤1000	< 100
Moulds and Yeast(CFU/g)	≤100	< 10
E.coli	Absent/g	Absent
Salmonella	Absent/10g	Absent
Staphylococcus Aureus	Absent/g	Absent
Fatty Acid Composition %		
C16:0 Palmitic	4-10%	6.9%
C18:0 Stearic	1.0-4.0%	2.6%
C18:1 Oleic	5.0-12.0%	8.6%
C18:2 Linoleic	65.0-85.0%	70.0%
C18:3 γ-Linolenic	≥9.0%	9.3%