

## Certificate of Analysis

**Expiry Date:** Oct. 17, 2025  
**Manufacture Date:** Oct. 18, 2023

<b>Product Name</b>	Evening Primrose Oil	<b>Batch Number</b>	20231018
<b>Botanical Source</b>	<i>Oenothera biennis L.</i>	<b>Quantity</b>	2090kg
<b>Method</b>	Cold pressed & refined	<b>Country of Origin</b>	China

Test	Specifications	Results	Test Methods
Refractive index(20°C)	1.478	1.478	CP2020
Refractive density(20°C)	0.923	0.923	CP2020
Iodine value	147-165 g I2/100g	153 g I2/100g	CP2020
Acid value	≤ 0.5 mg KOH/g	0.45 mg KOH/g	CP2020
Appearance	Clear pale yellow to yellow oil	Conforms	Visual
Odor&Taste	Light odor and taste	Conforms	Organoleptic
Peroxide value	≤ 10.0 meq/kg	0.12 meq/kg	CP2020
Saponification value	189-199.0mg KOH/g	191.0mg KOH/g	CP2020
Unsaponification matter	≤ 2.0%	0.82%	CP2020
Moisture & volatiles	≤ 0.1%	Conforms	CP2020
Gardner color	≤ 5	4.8	CP2020
Cold test	Clear after 5.5 hours at 0°C	Pass	CP2020
Ingredients	C16:0 Palmitic	6.9%	CP2020
	C18:0 Stearic	2.6%	CP2020
	C18:1 Oleic	8.5%	CP2020
	C18:2 Linoleic	70.1%	CP2020
	C18:3 γ-Linolenic	9.4%	CP2020
<b>Contaminants</b>			
Arsenic (As)	≤ 0.1 mg/kg	Conforms	GB 5009.76
Lead (Pb)	≤ 0.1 mg/kg	Conforms	GB 5009.75
Mercury (Hg)	≤ 0.1 mg/kg	Conforms	GB 5009.17
Cadmium(Cd)	≤ 0.1 mg/kg	Conforms	GB 5009.15
Dioxins	≤ 0.75 pg/g	Conforms	CP2020
Dioxins&Dioxin-like PCBs	≤ 1.25 pg/g	Conforms	CP2020
Total PCBs (28,52,101,138,153 et 180)	≤ 40 ng/g	Conforms	CP2020
Benzo(a)pyrene	≤ 2 ug/kg	Conforms	CP2020
Sum of B(a)P, B(a)A, B(a)F, and chrysene	≤ 10 ug/kg	Conforms	CP2020

### Microbiological



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Total Plate Count	≤ 1,000 cfu/g	Conforms	GB 4789.2
Mold & Yeast	≤ 100cfu/g	Conforms	GB 4789.15
E. Coli	Absent	Conforms	GB 4789.38
Salmonella	Absent	Conforms	GB 4789.4
Staphylococcus aureus	Absent	Conforms	GB4789.10
<b>Irradiation status</b>	Non irradiated, No ETO treated, Negative by PSL screen test.		
<b>GMO/BSE Status</b>	Non-GMO, Free of BSE.		

<b>Package</b>	190kg/HDPE drums purges with nitrogen
<b>Storage</b>	Store in sealed containers at cool&dry places. Keep away from strong light, heat and moisture.
<b>Shelf Life</b>	2 years if sealed and stored under the recommended conditions.

Conclusion: This batch of Evening Primrose Oil meets the specification of CP2020.

Analyzed by: Muhammad Sesay

Checked by: 叶平

Approved by: 祝威

