



**Certificate of Analysis
Passion Flower Oil Refined**

Trade Name: Passion Flower Oil Refined **Inci Name:** *Passiflora incarnata Seed Oil*
Cas No: 97676-26-1 **Einecs No:** -
Country of Origin: S. Africa, Kenya, Israel & S. **Country Processed:** Germany
Batch No: America (Seed) **Extraction Method:** Cold pressed
4278104

Description:

The fixed oil expressed by cold pressing the seeds of Passion Flower, *Passiflora incarnata L.*, *Passifloraceae*. The oil is then filtered and fully refined.

Produced from different batches of seeds from one or more of the above countries of origin.

ANALYTICAL DETAILS	RANGE	RESULT
Appearance	Clear liquid	Conforms
Colour	Pale yellow to yellow	Conforms
Odour	Characteristic	Conforms
Colour (Lovibond 5¼" cell test)	≤ 40.0 Y; ≤ 4.0 R	10 Y; 1 R
Refractive Index @ 20°C	1.470 – 1.480	1.475
Specific Gravity @ 20°C (g/ml)	0.915 – 0.925	0.922
Free Fatty Acid (% as Oleic)	≤ 0.5	0.04
Peroxide Value	≤ 10.0	4.86
Acid Value (mgKOH/g)	≤ 1.0	0.09
Iodine Value (mg/g)	130 – 155	142
Saponification Value (mgKOH/g)	185 – 205	192
Flash Point (°C)	> 300	Conforms

TYPE	Acid NAME	RANGE (%)	RESULT (%)
C14:0	Myristic	≤ 0.2	0.10
C16:0	Palmitic	4 – 10	6.94
C18:0	Stearic	≤ 5.0	2.44
C18:1	Oleic	8 – 21	13.64
C18:2	Linoleic	68 – 83	74.82
C18:3	Alpha linolenic	≤ 1.0	0.18
C20:0	Arachidic	≤ 0.5	0.37
C20:1	Eicosenoic	≤ 0.5	0.10
C22:0	Behenic	≤ 1.0	0.29

Storage:

Store in full, original, tightly closed container in a cool place, away from heat and direct sunlight. To limit oxidation the contents of the container should all be used once opened. Otherwise, where possible, the container should be nitrogen blanketed and tightly closed each time it is opened, and the oil re-tested before use.

Shelf Life:

Ultimately shelf life is dependant upon good packaging and proper storage. When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum life of 24 months.