

PRODUCT IDENTIFICATION	
INCI Name	<i>Citrus aurantium amara</i> flower extract
Botanical source	Extraction of the concrete with ethanol alcohol from the flowers of <i>Citrus aurantium var. amara L.</i>
Botanical family	<i>Rutaceae</i>
Status	Conventional
Part of Plant Used	Flowers

REGULATORY STATUS	
FEMA	2818
FDA	182.20
CEE	136
EINECS	277-143-2
CAS TSCA	8030-28-2
CAS EINECS	72968-50-4

PRINCIPAL CHEMICAL CONSTITUENTS			
Linalool	39.23%	Linalyl acetate	13.53%
Squalene	4.53%	Nerolidol	3.88%
Farnesol	3.52%	Limonene	2.29%

PHYSICAL PROPERTIES	
1. Appearance	Orange to red-brown liquid
2. Aroma	Floral, fruity, herbaceous, warm
3. Solubility in water	Insoluble
4. Refractive index @20°C	1.475 to 1.495
5. Density @20°C	0.905 to 0.930 g/cm <sup>3</sup>
6. Optical Rotation (°)	
7. Flash point	59°C

**Stability And Storage:** Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container.

**Shelf Life:** 24 months from dispatching date on, under normal storage conditions

**Transport:** UN No. 1169 Extracts, aromatic, liquid, 3, III

**EC Dir. Labelling:** N, Xi, R38, R43, R51/53, S24, S37, S61

**CLP/GHS labeling:** SGH07, SGH09, H227, H315, H319, H317, H411, P273, P280, P305/351/338, P262

*We certify that the aforementioned product is 100% pure and natural, is free of any additives, strictly originates from Egyptian raw material, and complies with FCC guidelines*

Approved by:	QA	Version:	20 Jan 2019
--------------	----	----------	-------------