



PRODUCT SPECIFICATION

Date of Issue: 20/01/2020	Document No: VRI/PS/06-050
Revision Date: 11/07/2020	Revision No: 01

Product Name	Saffron Essential Oil/Absolute Oil
Botanical Name	<i>Crocus Sativus</i>
CAS #	84604-17-1
FEMA #	---
EINECS #	---
INCI Name	Crocus Sativus Flower Extract is an extract of the flowers of the Saffron Crocus, <i>Crocus sativus</i> L., Iridaceae
Country of Origin	India
Packaging	As Per Customer Requirement
Shelf Life	5 Years
Purity	99%

Part Used	Crocus
Extraction Method	Steam Distillation
Quality	100% Pure and Natural
Note Classification	Middle to Base Note

Physical & Analytical Analysis	SPECIFICATIONS
Appearance	Reddish Yellow to Orange
Odor	Herbal Sweet Slightly Spicy and Typical Saffron
Refractive Index @ 20°C	1.43
Specific Gravity (g/mL) @ 20°C	1.02
Optical Rotation (°)	+1° to +24°
Solubility	Soluble in ethanol, ether, Oil and Propylene glycol

Ingredients	Strength (%)	CAS #	EINECS #
Safranal	49.3-62.1	116-26-7	204-133-7
α-crocin	-----	----	----
crocetin	-----	504-39-2,27876-94-4	248-708-0
α-isophorone	10.0-16.3	-----	----
Other Ingredients			
Hexadecanoic acid	0.8-3.3	57-10-3	----
Octadecadienoic acid	0.1-2.7	6144-28-1 / 26085-09-6	----

MICROBIAL ANALYSIS	SPECIFICATIONS	STANDARDS
Aerobic Mesophilic Bacterial Count	< 100 CFU	ISO 21149
Yeast and Mould	< 10 CFU	ISO 16212
Candida albicans	ABSENT	ISO 18416
Escherichia coli	ABSENT	ISO 21150
Pseudomonas aeruginosa	ABSENT	ISO 22717
Staphylococcus aureus	ABSENT	ISO 22718

HEAVY METAL TESTS	SPECIFICATIONS	STANDARDS
Lead: Pb (mg/kg or ppm)	< 10 ppm	In House
Arsenic: As (mg/kg or ppm)	< 2 ppm	In House
Mercury: Hg (mg/kg or ppm)	< 1 ppm	In House

Note: This Product Specification Sheet was prepared in accordance with the Quality parameters taken during product manufacturing/processing to maintain the quality of the product. This Specification Sheet shows the product characteristic feature of the actual product. However you can find the detailed examination report for the respective batches in their COA.