



Certificate of Analysis

1- PRODUCT IDENTIFICATION:

English Name:	Violet Leaves Absolute
Latin Name:	Viola Odorata
Botanical Family:	Violaceae
Batch Number:	4368403
Best Before End:	August 2022

2- PHYSICAL AND CHEMICAL PROPERTIES:

Color:	: Green to Dark Green liquid
Odor:	: Characteristic odor of Violet Leaves
Specific gravity (at 20°C)	: 0.930
Optical Rotation	: +16 – +18
Acid No.	: 8 - 20

Storage conditions, shelf life

Storage: In a dark, cool (Not more than 5°C), dry and ventilated area.
Shelf life: 36 months in proper storage

3- REGULATION INFORMATION:

FDA: 182.20
CAS NO: 90147-36-7
FEMA NO: 3110
COE NO: 482

4- MAIN COMPONENT:

Total Acids:	80.30%
PALMITIC ACID:	52.7%

GC Analysis after warm the sample

We certify that the above-mentioned product is natural 100% no additives. Egyptian origin.



ALLERGEN STATEMENT

PRODUCT NAME: Violet Leaf Absolute

Ingredients	CAS Number	%
Alpha-Amyl Cinnamic Alcohol	101-85-9	0.0
Alpha-Amyl Cinnamic Aldehyde	122-40-7	0.0
Anisyl Alcohol	105-13-5	0.0
Benzyl Alcohol	100-51-6	0.020
Benzyl Benzoate	120-51-4	0.007
Benzyl Cinnamate	103-41-1f	0.002
Benzyl Salicylate	118-58-1	0.01
Cinnamic Alcohol	104-54-1	0.0
Cinnamic Aldehyde (Cinnamal)	104-55-2	0.0
Citral	5392-40-5	0.01
Citronellol	106-22-9	0.01
Coumarin	91-64-5	0.0
Eugenol	97-53-0	0.007
Farnesol	4602-84-0	0.0
Gamma-Methyl Ionone (Alpha Isomethyl Ionone)	127-51-5	0.0
Geraniol	106-24-1	0.020
Hexyl Cinnamic Aldehyde	101-86-1	0.00
HMPCC (Lyral) (Hydroxyisohexyl 3- cyclohexene Carboxaldehyde)	31906-04-4	0.00
Hydroxycitronellal	107-75-5	0.00
Isoeugenol	97-54-1	0.00
Lilial (Butylphenyl Methylpropional)	80-54-6	0.00
d-Limonene	5989-27-5	0.01
Linalool	78-70-6	0.200
Methyl Heptine Carbonate (Methyl 2- Octynoate)	111-12-6	0.00
Oak Moss Extracts (Evernia Prunastri)	90028-68-5	0.00
Tree Moss Extracts (Evernia Furfuracea)	90028-67-4	0.00

FLOW CHART

Receiving & Examination of Raw material

(Violet Plant)
(Extract by Hexane)
(Filter Papers)
(Exportation Refills)

Examination of Raw Material

Washing the Extraction Units by steam

Filling up of the raw material Violet in extraction units

(Filling in Containers)

Launching of the Hexane solvent in raw material

(Extraction)

Receiving Extract (solvent and flower content)

(Primary evaporation)

Primary Evaporation Unit

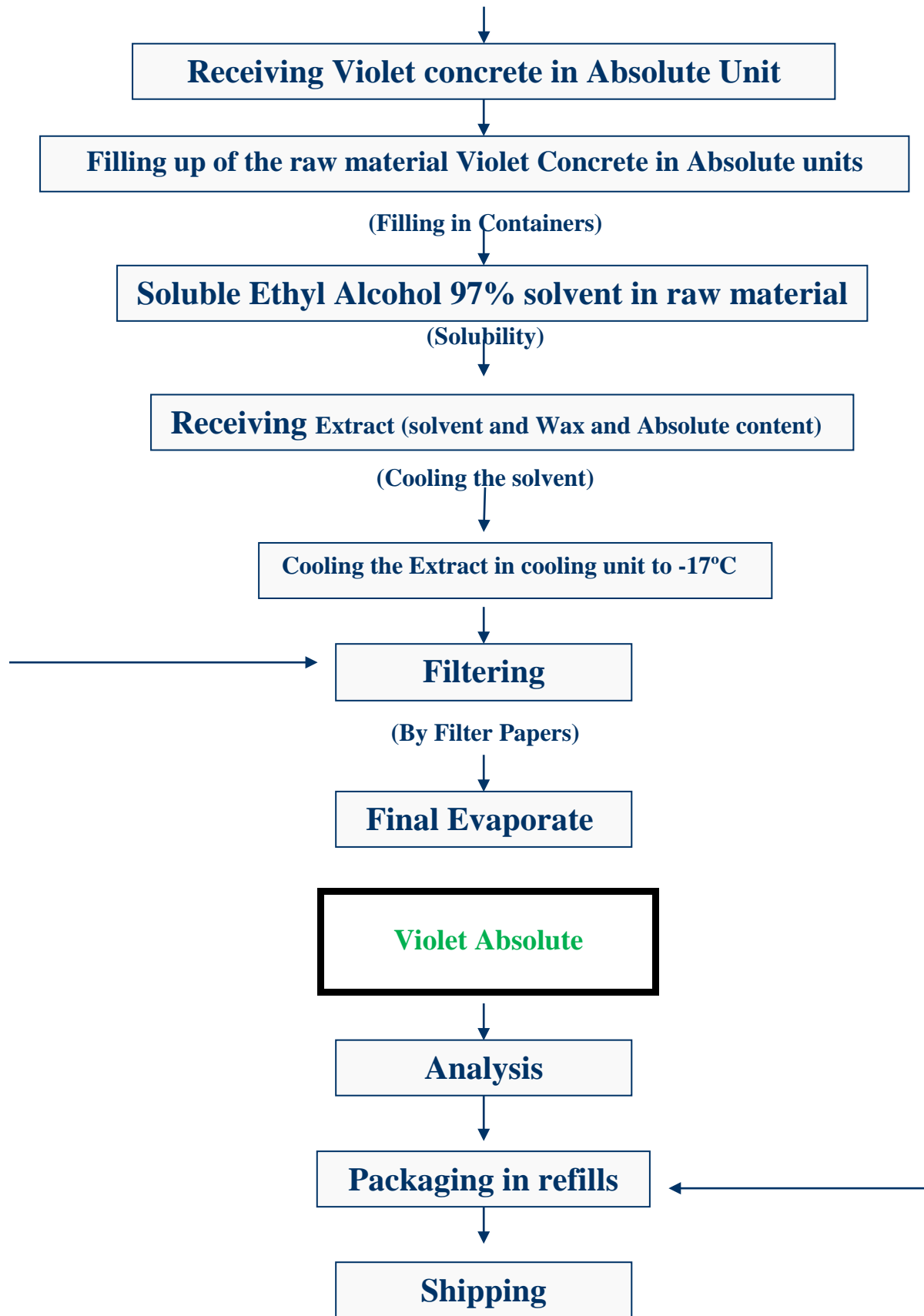
Filtering

(By Filter Papers)

Final Evaporate

Packaging in refills

VIOLET CONCRETE





MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

Product name: **Violet Leaf Absolute**

Supplier: MADAR Corporation Limited

19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA

2. COMPOSITION / INFORMATION ON INGREDIENTS.

Product Name	Violet Leaf Absolute
Botanical Family:	Violaceae
Latin Name	Viola Odorata
INCI Name	Violet Leaves plant
CAS #	90147-36-7
Country of Origin	Egypt

INCI name: Viola odorata Leaf Extract

3. HAZARDS IDENTIFICATION:

Xi Irritant, N Dangerous for the environment.

4. FIRST-AID MEASURES:

Inhalation: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

Skin contact: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

Ingestion: Rinse mouth out with water. Seek medical advice **immediately**.

Other: When assessing action take Risk & Safety Phrases into account (Section 15)



5. FIRE FIGHTING MEASURES.

Extinguishing media Use CO₂, Dry Powder or Foam type Extinguishers, spraying recommended: extinguishing media to base of flames. Do not use direct water jet on burning material.

Special measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

Extinguishing procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. ACCIDENTAL RELEASE MEASURES.

Personal precautions: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

Environment precautions: Keep away from drains, soils, surface & ground waters.

Cleaning up methods Remove all potential ignition sources. Contain spilled material. Cover for spillages: with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

Precautions in handling: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

Storage conditions: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

Fire protection: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.

Respiratory protection: Avoid breathing product vapour. Apply local ventilation where possible.

Ventilation: Ensure good ventilation of working area.



Hand protection: Avoid all skin contact. Use chemically resistant gloves if required.

Eye protection: Use safety glasses.

Work/Hygiene practices: Wash hands with soap & water after handling.

9. PHYSICAL & CHEMICAL PROPERTIES.

Colour: Green

Appearance: Viscous liquid

Odour: Sweet, fresh, floral, green leaf

Flash point °C: >70

Specific gravity @ 20°C: 0.890 - 0.960

Refractive index @ 20°C: 1.480 - 1.500

10. STABILITY & REACTIVITY.

Reactivity: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.

Decomposition: Liable to cause smoke & acid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXICOLOGICAL INFORMATION.

Data not available

12. ECOLOGICAL INFORMATION.

Very toxic for aquatic organisms, may cause long term adverse effects.

Biodegradability: Data not available

Precautions: Prevent surface contamination of soil, ground & surface water.



13. DISPOSAL CONSIDERATIONS.

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. TRANSPORT REGULATIONS.

UN 3082: Applies

Road (ADR/RID): Class 9 Packing Group III

Air (IATA): Class 9 Packing Group III

Sea (IMDG): Class 9 Packing Group III

CHIP: See section 15

15. REGULATORY INFORMATION.

Hazards: Irritant; Dangerous for the environment

Symbols: Xi; N

Risk Phrases: R43 May cause sensitisation by skin contact

R50/53 Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment

Safety Phrases: S24 Avoid contact with skin

S37 Wear suitable gloves

S61 Avoid release to the environment. Refer to special instructions/safety data sheets



16. OTHER INFORMATION.

PACKAGING:

Type	Suitability
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

SHELF LIFE

When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum shelf life of 36 months.

Q.C. REQUIREMENTS.

In-line with general product specification, Always satisfy suitability for specific application.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.



Violet Leaf Absolute Specifications

1- PRODUCT IDENTIFICATION:

English Name: Violet Leaves Absolute

Latin Name: Viola Odorata

Botanical Family: Violaceae

2- PHYSICAL AND CHEMICAL PROPERTIES:

Color: Viscous Dark Green liquid
Odor: Characteristic odor of Violet Leaves
Specific gravity (at 20°C) : 0.925 – 0.943
Ref. Index (at 20°C) : 1.4808 – 1.4944
Optical Rotation : +16° – +18°
Acid No. : 8 - 60
Solubility in Alcohol : Soluble
Impurities : none.
Water content : nil.
Ethanol content : traces.
Water solubility : insoluble.

Storage conditions, shelf life

Storage: In a dark, cool (Not more than 5°C), dry and ventilated area.

Shelf life: 36 months in proper storage

3- REGULATION INFORMATION:

FDA: 182.20

CAS NO: 90147-36-7

FEMA NO: 3110

COE NO: 482

4- MAIN COMPONENT:

Total Acids: Not less than 75%

We certify that the above-mentioned product is natural 100% no additives. Egyptian origin.