

Technical Data Sheet

Jatamansi Oil

Product Description:	The volatile oil is obtained by steam distillation from the rhizomes of <i>Nardostachys grandiflora</i> , commonly called as Jatamansi, Spikenard or Nard.
Country of Origin:	Nepal
Botanical Name:	<i>Nardostachys grandiflora</i> / Synonym: <i>Nardostachys jatamansi</i>
Extract Method:	Steam Distillation
Plant Part Used:	Rhizomes

Specifications

CAS NO.	90064-28-1
EINECS NO.	290-089-4
FEMA NO.	3033
NAFTA NO.	3301.29.6000
Appearance:	Fluid to medium viscous liquid
Color:	Greenish, pale yellow to amber
Odor:	Characteristic earthy, pleasant & woody
Refractive Index at 25°C:	1.474 - 1.548
Optical Rotation At 25°C:	1.77 - 3.64
Specific Gravity At 25°C:	0.9501 - 0.9987
Flash Point:	83°C
Quality:	100% Pure & Natural
Solubility:	Soluble in alcohol and fixed oils but insoluble in water.
Acid Value:	3.3 - 7.1
Ester Value:	7.3 - 51.54
Ester Value after Acetylation	17.1 – 60

Chemical Data by GCMS

Compounds Name:	Percentage:
Jatamansone	25 - 35 %
Cardin – 4 –en -10-ol	25- 30 %
Isovelleral	14 - 16 %
Calarene	11 - 13 %
Guaia-6,9-diene	8 - 10 %
Azulene	5- 10 %
Valencene	6 - 8 %
alpha -Gurjunene	5 - 7 %

Expiration Date

Shelf Life: 5+ years under good storage conditions.

Store in a well-filled, airtight container at temperature below 18°C. Avoid direct sunlight & heat.