

Technical Data Sheet

Ginger Oil

Product Description:	The volatile oil is obtained by steam distillation from the dried and pulverized rhizomes of <i>Zingiber officinale</i> commonly called as Ginger.
Country of Origin:	Nepal
Botanical Name:	<i>Zingiber officinale</i>
Extract Method:	Steam Distillation
Plant Part Used:	Rhizomes

Specifications	
CAS NO.	8007-08-7
EINECS NO.	283-634-2
FEMA NO.	2522
NAFTA NO.	NA
Appearance:	Fluid liquid
Color:	Pale to medium yellow
Odor:	Characteristic ginger, warm, woody-spicy
Refractive Index at 20°C:	1.4880 – 1.4940
Optical Rotation At 20°C:	(-) 28 – (-)45
Specific Gravity At 25°C:	0.8720 – 0.8800
Flash Point:	67 °C
Quality:	100% Pure & Natural
Solubility:	Soluble in alcohol and fixed oils but insoluble in water.
Acid Value:	1.41
Ester Value:	7.2
Ester Value after Acetylation	NA

Chemical Data by GCMS	
Compounds Name:	Percentage:
alpha-Zingiberine	35 - 45 %
Elemol	15- 20 %
Camphene	5- 10 %
alpha- Curcumene	3 - 5 %
alpha-Farnesene	2 - 4 %
beta-Bisabolene	2 - 4 %

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.