

## Technical Data Sheet

### Juniper Oil

<b>Product Description:</b>	The volatile oil is obtained by steam distillation from the leaves of <i>Juniperus communis</i> , commonly called as Juniper.
<b>Country of Origin:</b>	Nepal
<b>Botanical Name:</b>	<i>Juniperus communis</i>
<b>Extract Method:</b>	Steam Distillation
<b>Plant Part Used:</b>	Leaves & Berries

Specifications	
<b>CAS NO.</b>	8002-68-4
<b>EINECS NO.</b>	NA
<b>FEMA NO.</b>	2848
<b>NAFTA NO.</b>	NA
<b>Appearance:</b>	Fluid liquid
<b>Color:</b>	Colorless to pale yellow
<b>Odor:</b>	Sweet balsamic
<b>Refractive Index at 25°C:</b>	1.478-1.481
<b>Optical Rotation At 25°C:</b>	6.03-11.7
<b>Specific Gravity At 25°C:</b>	0.8664-0.8745
<b>Flash Point:</b>	44°C
<b>Quality:</b>	100% Pure & Natural
<b>Solubility:</b>	Soluble in alcohol and fixed oils but insoluble in water.
<b>Acid Value:</b>	0.2-2.5
<b>Ester Value:</b>	5.5-16
<b>Ester Value after Acetylation</b>	17-40

Chemical Data by GCMS	
<b>Compounds Name:</b>	<b>Percentage:</b>
<b>α - Pinene</b>	8 – 11 %
<b>Delta - 3- Carene</b>	50 – 53 %
<b>Delta- Cadinene</b>	5 % - 7 %
<b>Limonene</b>	4 % – 6 %
<b>Myrcene</b>	3 % – 5 %
<b>Terpinolene</b>	2 % - 3 %

### 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.