



Technical Data Sheet

Product Name:	Hops Essential Oil	Extraction Method:	Steam Distilled Essential Oil
Botanical Name:	<i>Humulus lupulus</i>	Quality:	100% Pure and Natural
Used Part:	Cones	INCI Name:	Humulus Lupulus (Hops) Oil
CAS No.:	8007-04-3; 8060-28-4		

IDENTIFICATION		SPECIFICATION	STANDARDS
Physical	Appearance	Colorless to greenish-yellow, slightly viscous liquid	-
	Odour	Woody, floral, herbaceous odour	-
	Refractive Index	1.470 - 1.494 20°C	-
	Specific Gravity (g/mL)	0.825 - 0.926 20°C	-
	Optical Rotation (°)	-2.5° to +2.5°	-
	Solubility	Soluble in alcohols and fixed oils; Insoluble in water	-
Chemical	Lead (Pb)	< 10 ppm	-
	Arsenic (As)	< 2 ppm	-
	Mercury (Hg)	< 1 ppm	-
Microbial	Aerobic Mesophilic Bacterial Count	< 100 cfu/g	ISO 21149
	Yeast & Mould	< 10 cfu/g	ISO 16212
	Candida albicans	Negative	ISO 18416
	Escherichia coli	Negative	ISO 21150
	P. aeruginosa	Negative	ISO 22717
	S. aureus	Negative	ISO 22718

Else	Storage Condition	Keep in a tightly closed container in a cool and dry place, protected from sunlight.
	Shelf Life	When stored for more than 24 months, quality should be checked before use.

