



ECO ORGANICS

An ISO 9001 : 2008 Certified Company

- Flavours
- Fragrances
- Ingredients

TECHNICAL DATA SHEET L-CITRONELLOL

Product Name	L-Citronellol
Chemical Name	(S)-3,7-Dimethyloct-6-en-1-ol
Synonyms	L-Rhodinol; beta-Citronellol; (S)-(-)-Citronellol; Dihydrogeraniol
CAS No.	7540-51-4 (also referenced as 106-22-9)
EINECS / EC No.	231-415-7
FEMA / GRAS No.	2309
Molecular Formula	C ₁₀ H ₂₀ O
Molecular Weight	156.27 g/mol
Status	Natural or Synthetic, depending on raw material source – chemically and organoleptically equivalent; not a differentiator for this product

ODOUR PROFILE & APPLICATION (Primary Value Driver)

Odour Character	Floral • Citrus • Rose • Lemon
Odour Description	Clean, fresh, natural rosy note – the defining characteristic of this material and its primary value in perfumery
Application	Widely used in perfume compositions across fine fragrance, personal care, and household products
Occurrence in Nature	Found in geranium oil
Tenacity on Blotter	> 24 hours
Bloom Diffusivity	Very Diffusive
Typical Use Level	Up to 10%

PHYSICAL & CHEMICAL DATA

Appearance	Colorless, clear liquid
Assay (Purity, GC)	99.0% min. as Citronellol
Optical Rotation (20°C)	-5.5° to -3.5°
Specific Gravity (20/20°C)	0.855 - 0.861
Refractive Index (20°C)	1.453 - 1.459
Acid Value	1.0 mg/g max.
Molecular Weight	156.27
Flash Point	102°C
Vapour Pressure	2.260 Pa at 25°C
CLogP	3.56
Solubility	Soluble in 2 volumes of 70% ethanol; slightly soluble in water

STABILITY BY APPLICATION

Application	Condition	Stability
Fine Fragrance	–	Good
Fabric Softener	pH 3	Good
Antiperspirants	pH 3.5	Good
Toiletry Applications	pH 6	Good

Factory :- B-5/C-5 to C-7, D-20, Ajeetpur Indl. Estate, Rampur-244901 (U.P.) INDIA Mob.: +91 94122 51810, +91 97209 99980



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Liquid Detergent	pH 9	Good
Soaps	pH 10	Good
Powder Detergent	pH 11	Fair
Bleach	pH 14	Poor

SUBSTANTIVITY

Substrate	Substantivity
Skin	Good
Dry Fabric	Fair
Wet Fabric	Good
Hair	Good

STORAGE, SHELF LIFE & PACKING

Storage Condition	Store in tightly closed containers in a cool, dry place, away from direct sunlight and heat sources
Shelf Life	24 months from date of manufacture (typical – please verify against your QC data), in original unopened packaging
Packing	As per customer requirement / standard drum packing

Note: This product may be sourced as Natural or Synthetic L-Citronellol depending on raw material availability; both are chemically and organoleptically equivalent and the odour/technical profile above applies to either. Please refer to the accompanying Certificate of Analysis (COA) for batch-specific results.

Date: 20 August, 2026

Authorized Signatory

For Eco Organics


Partner

(Company Seal)