

 Product Specification Sheet – Natural Citral (≥ 85% Purity)**Manufacturer:** Mansa Nutri

CAS No.: 5392-40-5 | FEMA No.: 2303 | EINECS No.: 226-394-6

Regulatory Status: FEMA GRAS • IFRA Compliant • ISO 9235 (Natural Origin) • EU 1334/2008 Compliant

1. Identity & Origin

- Product: Natural Citral (Geranial + Neral rich fraction)
- Botanical Source: Lemongrass (*Cymbopogon citratus*)
- Production Method: Steam distillation → Fractional purification → Molecular polishing
- Form: Clear to pale yellow liquid
- Odor Profile: Fresh, strong, lemon-like, citrusy

2. Technical Specifications

Parameter	Specification	Method
Appearance	Clear, colorless to pale yellow liquid	Visual
Odor	Strong citrusy, lemon-like, fresh	Sensory
Purity (Total Citral	≥ 85% (Geranial + Neral)	GC-FID / GC-MS
Geranial (Citral A)	50–65%	GC-FID
Neral (Citral B)	30–45%	GC-FID
Isomer Ratio	1.8 – 2.2 : 1 (Geranial:Neral)	GC
Specific Gravity @ 25°C	0.872 - 0.890	ISO 279
Refractive Index @ 20°C	1.4830 - 1.4890	ISO 280
Optical Rotation @ 20°C	-3.0° to +1.0°	Ph. Eur.
Acid Value	Max 1.0	AOCS
Solubility	Insoluble in water, soluble in ethanol & organic solvents	

3. Traceability & Purity Assurance

- Pharma-Aligned -Traceable· GC/GC-MS Verified · C-14 Compliance Ready
- Designed for EU clean-lable testing & regulated applications
- Solvent-free production process
- Pesticides: EU/FDA compliant
- Heavy Metals: < 10 ppm (ICP-MS)
- Allergens: Contains citral

4. Safety & Transport

- **GHS Classification:** Flammable, Skin irritant, Eye irritant
- **UN No.:** 1169 | **Class:** 3 | **PG:** III
- *Samples under Limited Quantity exemption may be declared Not Regulated (IATA/ADR LQ).*

Note

This specification sheet provides typical reference values. A batch-specific COA is issued with every shipment.