



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology
Product Name: Aldehyde C-7 Natural
Chemical Name: Heptanal (Natural)
Synonyms: Aldehyde C-7, Enanthaldehyde, Heptanal
CAS Number: 111-71-7
EC Number: 203-898-4
FEMA Number: 2549
Molecular Formula: C₇ H₁₄O
Molecular Weight: 114.19 g/mol
Product Type: Natural Aroma Chemical
Country of Origin: Spain

1. Product Information

| Parameter | Details |
|-------------------|----------------------------------|
| Product Name | Aldehyde C-7 Natural |
| Chemical Name | Heptanal (Natural) |
| Synonyms | Aldehyde C-7, Enanthaldehyde |
| CAS Number | 111-71-7 |
| EC Number | 203-898-4 |
| FEMA Number | 2549 |
| Molecular Formula | C ₇ H ₁₄ O |
| Molecular Weight | 114.19 g/mol |
| Product Type | Natural Aroma Chemical |
| Intended Use | Perfumery, Cosmetics, Aromatics |
| Supplier | Aromology |

2. Physical & Organoleptic Specifications

| Test | Specification | Result |
|------------|--|----------|
| Appearance | Clear mobile liquid | Conforms |
| Colour | Colourless | Conforms |
| Odour | Fresh, fatty, green, citrus, waxy, aldehydic | Conforms |
| Solubility | Slightly soluble in water; soluble in ethanol and organic solvents | Conforms |

3. Analytical Characteristics

| Parameter | Specification | Result |
|-------------|---------------|----------|
| Purity (GC) | ≥98.0% | Conforms |



| Parameter | Specification | Result |
|-------------------------------------|---------------|----------|
| Relative Density @20 °C | 0.815–0.822 | Conforms |
| Refractive Index @20 °C | 1.4110–1.4170 | Conforms |
| Boiling Point | 152–153 °C | Conforms |
| Flash Point | 39–40 °C | Conforms |
| Water Content (Karl Fischer) ≤0.20% | | Conforms |

4. Typical Composition

| Constituent | Typical Content (%) |
|----------------------------------|---------------------|
| Heptanal | ≥98.0 |
| Naturally Occurring Aldehydes | ≤1.5 |
| Other Minor Natural Constituents | ≤0.5 |

Minor variations may occur depending on the natural source and isolation process.

5. Quality Assessment

| Quality Parameter | Result |
|----------------------------|--------|
| Identity Verified | PASS |
| GC Purity | PASS |
| Physical Characteristics | PASS |
| Organoleptic Evaluation | PASS |
| Natural Origin Verified | PASS |
| Suitable for Perfumery Use | PASS |

6. Storage Conditions

| Parameter | Recommendation |
|---------------------|--|
| Storage Temperature | Store below 25 °C |
| Light Exposure | Protect from direct sunlight |
| Container | Keep tightly closed in the original container |
| Atmosphere | Protect from air and moisture |
| Shelf Life | 24 months under recommended storage conditions |

7. Statement of Conformity

Aromology certifies that this batch of Aldehyde C-7 Natural (Heptanal) complies with internal quality specifications for perfumery-grade natural aroma chemicals.



The material has been evaluated for identity, purity, physical characteristics and organoleptic quality and is suitable for professional fragrance manufacture. Aldehyde C-7 Natural is valued for its fresh fatty, green, citrus and waxy character and is widely used to enhance citrus, floral, green and aldehydic fragrance accords.

8. Authorisation

| Approved By | Department |
|-------------------------------------|------------------------|
| Fozia Khot Aromology Trading LLC | Director Dubai, UAE |

9. Supplier Details

AROMOLOGY

G05 Al Ghazal Building
Nadd Al Hamar
Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Document Information

| Parameter | Details |
|---------------------|-------------------------------|
| Document | Certificate of Analysis (COA) |
| Status | APPROVED |
| Date of Manufacture | 05 September 2025 |
| Date of Expiry | 05 September 2027 |
| Issue Date | 08 September 2025 |
| Version | 2.0 |