

TECHNICAL DATA SHEET

Issue date : March 01, 2024 Revision date : Jan 02, 2025
Revision number : 2 Printed date : Jan 02, 2025

1. Product identification

- Product name: CINNAMIC ALDEHYDE NATURAL
- Synonym(s): Cinnamaldehyde, Cinnamal, Cassia aldehyde, 3-Phenyl-2-propenal.
- Botanical name: Cinnamomum Cassia.
- Origin: Vietnam.

2. Availability

- Botanical harvest: April to June, September to December.
- Product Availability: All year round.
- Annual capacity: 200 MT.

3. Processing method

- Manufacturing: Fractional distillation from cassia oil.

4. Classification

- CAS: 104-55-2.
- EC Number: 203-213-9.
- FEMA-GRAS: 2286.
- JECFA Number: 656.

5. Physical analysis and chemical analysis

- Appearance: Clear, slightly yellow liquid.
- Odour: Cinnamon-like.
- Solubility: Soluble in alcohols, aldehydes, ketones, esters.
- Assay: Min. 98.0% Cinnamic Aldehyde.
- Refractive index (20°C): 1.6190 - 1.6230.
- Specific gravity (20°C): 1.049 - 1.053.
- Acid value: Not more than 5.0 mg KOH/g.

6. Compliance with international standards

- Directive 2001/18/EC.
- Commission Regulation (EC) No 1881/2006.
- Commission Regulation (EU) 2020/878.
- Commission Regulation (EC) No 1334/2008.
- OSHA Hazard Communication Standards, 29 CFR 1910.1200.
- US Code of Federal Regulations Title 21, 21 CFR 182.20.

7. Storage conditions

- Handling: Avoid breathing dust/fume/gas/mist/vapours/spray.
- Storage conditions: In tightly closed containers, cool & dry place protected from direct light.
- Packing: 200KGS HDPE Drum/200KGS Steel Drum/30KGS HDPE Can.
- Shelf life: 24 months from manufacturing date.

8. Potential applications

- Recommended use: Concentrated aromatic and flavor.
- Restriction on use: For manufacturing use only.