

# TECHNICAL DATA SHEET

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## 1. Product identification

- Product name: BENZALDEHYDE US NATURAL.
- Synonym(s): Benzoic aldehyde, Benzenecarboxaldehyde, Benzene carbinal.
- Botanical name: Cinnamomum Cassia.
- Origin: Vietnam.

## 2. Availability

- Botanical harvest: April to June, September to December.
- Product Availability: All year round.
- Annual capacity: 150-200 MT.

## 3. Processing method

- Manufacturing: Hydrolysis from cassia oil.

## 4. Classification

- CAS: 100-52-7.
- EC Number: 202-860-4.
- FEMA-GRAS: 2127.
- JECFA Number: 22.
- HS code: 291221.
- UN Number: 1990.

## 5. Physical analysis and chemical analysis

- Appearance: Mobile, colourless to slightly yellow liquid.
- Odour: Almond like
- Solubility: Soluble in ethanol, glycerin, propylene glycol, organic esters, ketones, essential oils.
- Assay: Min. 99.0% Benzaldehyde.
- Refractive index (20°C): 1.5400 - 1.5480.
- Specific gravity (20°C): 1.041 - 1.051.

## 6. Compliance with international standards

- Council Regulation (EC) No 1997/2006.
- Directive 2001/18/EC.
- Commission Regulation (EC) No 1881/2006.
- 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/Steel Drum
- Shelf life: 24 months from manufacturing date.

## 8. Potential applications

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