TECHNICAL DATA SHEET

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Revision number	: 1	Printed date	: July 01, 2024

1. Product identification
- Product name: CINNAMIC ALDEHYDE NAT.
- 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: 600 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.
- HS code: 291229.

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   1.618 to 1.623 @ 20°C.
- Specific gravity   1.048 to 1.052 @ 20°C.
- Acid value   Not more than 5.0.

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 182.60.

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/30KGS per HDPE Drum.
- Shelf life   24 months from manufacturing date.

8. Potential applications
- Recommended use   Concentrated aromatic and flavor.
- Restriction on use For manufacturing use only.