TECHNICAL DATA SHEET

Issue date	: March 01, 2024	Revision date	: July 01, 2024
Revision number	: 1	Printed date	: July 01, 2024

1. Product identification.
- Product name: BENZALDEHYDE NAT.
- 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: 600MT.

3. Processing method.
- Manufacturing: Fractional distillation from cassia oil/Hydrolysis of natural cinnamic aldehyde.

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. 98.0% Benzaldehyde.
- Refractive index   1.544 to 1.547 @ 20°C.
- Specific gravity   1.040 to 1.047 @ 20°C.

6. Compliance with international standards.
- Council Regulation (EC) No 1997/2006.
- Directive 2001/18/EC.
- Commission Regulation (EC) No 1881/2006.
- 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   12 months from manufacturing date.

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