

Technical Data Sheet (TDS)

Ethyl Vanillin

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Product Description

Ethyl Vanillin is a white to light yellow crystalline powder with a strong vanilla-like aroma and flavor. It is an aromatic aldehyde that is widely used as a flavoring agent in the food, beverage, pharmaceutical, and cosmetic industries. Compared to vanillin, it possesses a stronger and more persistent flavor profile.

Applications

- Flavor enhancer in baked goods, ice cream, chocolate, and beverages.
- Aroma compound in perfumes and personal care products.
- Additive for masking undesirable taste in pharmaceutical formulations.
- Intermediate in organic synthesis for fine chemicals.

Chemical Information

Chemical Name: Ethyl Vanillin

Chemical Formula: C9H10O3

CAS No.: 121-32-4

EINECS No.: 204-464-7

Molecular Weight: 166.17 g/mol

Specifications

Appearance: White to pale yellow crystalline powder

Purity: min. 99.0%

Odor: Strong vanilla-like aroma

Melting Point: 76-78 °C

Solubility: Slightly soluble in water; soluble in ethanol, propylene glycol, and ether

Loss on Drying: max. 0.5%

Residue on Ignition: max. 0.1%

Typical Properties

Boiling Point: 285 °C

Flash Point: >150 °C

Bulk Density: approx. 0.5 g/cm³

Stability: Stable under recommended storage conditions

Packaging

Ethyl Vanillin is packed in 25 kg fiber drums or cartons with inner polyethylene liners. Custom packaging options are available on request. Packaging complies with international transportation safety standards.

Storage and Handling

- Store in tightly closed containers in a cool, dry, and well-ventilated place.
- Protect from direct sunlight, moisture, and heat.
- Wear suitable protective equipment during handling.

Safety and Regulatory Information

- Not classified as hazardous under normal use.
- Approved as a food additive by major regulatory bodies (e.g., FDA, EU).
- Listed on TSCA (US) and EINECS (EU).
- Refer to MSDS for full safety instructions.

Disclaimer

This document is provided for informational purposes only. Tuoda Industry Limited makes no warranties regarding the suitability of this product for any particular application. Regulatory compliance must be verified by the customer.