

# QUALITY SPECIFICATION

## Vanillic Acid

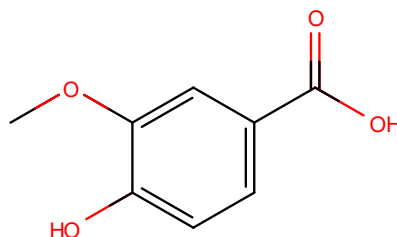
Catalog No.: NST-10-50

CAS No.: 121-34-6

Molecular formula: C<sub>8</sub>H<sub>8</sub>O<sub>4</sub>

MW: 168.15

Shelf life: 24 months



| No. | Parameter           | Specification   | Method    |
|-----|---------------------|-----------------|-----------|
| 1.  | Appearance          | Powder          | Visual    |
| 2.  | Color               | Light brown     | Visual    |
| 3.  | Identification      | Conforms        | TLC&NMR   |
| 4.  | Purity              | ≥98.0 %         | HPLC      |
| 5.  | Residue on ignition | ≤2.0 %          | USP <281> |
| 6.  | Loss on drying      | ≤0.5 %          | USP <731> |
| 7.  | Melting point       | 210 °C – 213 °C | USP <741> |

Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored