

# SHANDONG KUNDA BIOTECHNOLOGY CO., LTD

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## SPECIFICATION

**PRODUCT:** SORBIC ACID

**CAS NO.:** 110-44-1

**SHELF LIFE:** 24 MONTHS

**CHEMICAL FORMULA:** C<sub>6</sub>H<sub>8</sub>O<sub>2</sub>

**EINECS NO.:** 203-768-7

**ISSUE DATE:** Feb. 10, 2022

| ITEMS                         | SPECIFICATIONS   |
|-------------------------------|--|
| Appearance                    | White to off- white crystalline powder or granular                                 |
| Odor                          | Slight characteristic odor   |
| Identification Test           | (1) Test of Double Bonds: passes test<br>(2) UV: conforms with standard spectrum * |
| Transmittance (%)             | ≥97.0  |
| Clarify                       | Passes test  |
| Assay (dry weight basis, %)   | ≥99  |
| Sublimation Point (°C)        | 80   |
| Melting Range (°C)            | 133~135  |
| Water (Karl Fischer, %)       | ≤0.5   |
| Residue on Ignition (%)       | ≤0.2   |
| Aldehyde (as formaldehyde, %) | ≤0.1   |
| Sulfate (%)                   | ≤0.02  |
| Chloride (%)                  | ≤0.014   |
| Arsenic (as As, mg/kg)        | ≤2   |
| Lead (mg/kg)                  | ≤2   |
| Mercury (mg/kg)               | ≤1   |
| Heavy Metals (as Pb, mg/kg)   | ≤10  |
| Total Count Colony (cfu/g)    | ≤100   |
| Mould & Yeast (cfu/g)         | ≤100   |
| Coliform (cfu/g)              | ≤30  |

### CONCLUSIONS: COMPLIES WITH INTERNATIONAL STANDARDS SUCH AS

EC Directives

Purity requirements of the FAO/WHO

European Pharmacopoeia (EP)

Food Chemical Codex (FCC)

GB1886.186-2016

U. S. Pharmacopeia 37 (USP37)

Note:\* A propan-2-ol solution (1 in 4 000 000) shows absorbance maximum at 254 ± 2 nm

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