

SHANDONG KUNDA BIOTECHNOLOGY CO., LTD**CERTIFICATE OF ANALYSIS****Sorbic Acid****Product : Sorbic Acid****Chemical Formula: C₆H₈O₂****Relative Molecular Mass: 112.13****Batch NO.:SA20170208****Manufacturing Date:2017.02.08****Shelf Life: 24months**

Item	Specification	Results
Appearance	White to off-white crystalline powder or granular	Complied
Odor	Slight characteristic odor	Complied
IdentificationTtest	(1) Test of double bonds:Passes Test (2) UV: conforms with standard spectrum	Complied
Transmittance	≥97.0%	98.21
Clarify	Passes Test	Complied
Assay	≥99.0% (on the anhydrous basis)	99.28
Sublimation Point	80℃	Complied
Melting Range	132℃～135℃	133.4-134.8
Water(Karl Fischer)	≤0.5%	0.41
Residue On Ignition	≤0.2%	0.06
Aldehydes(Formaldehyde)	≤0.1%	<0.1
Sulfate	≤0.02%	<0.02
Chloride	≤0.014%	<0.014
Arsenic (as As)	≤ 2mg/kg	<2
Lead (as Pb)	≤2mg/kg	<2
Mercury (as Hg)	≤ 1mg/kg	<1
Heavy Metals (as Pb)	≤10mg/kg	<10
Total Count Colony	≤ 100cfu/g	<100
Mould&Yeast	≤100cfu/g	<100
Coliform	≤30cfu/g	<30

Conclusion:**The quality of our sorbic acid meets 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)****Analyst :Linda****Checker: Nancy****Special explanation: the product is made in china****Storage:store in tight containers, protected from light, and avoid exposure to excessive heat, preferably at a temperature at exceeding 38℃**