



**BIMAL PHARMA PVT. LTD., MUMBAI, INDIA**  
(ISO 9001 : 2015 & AEO T1 Certified Co.)

## TYPICAL CERTIFICATE OF ANALYSIS

Name of the Product : **SORBIC ACID (PHARMA GRADE)**

Shelf Life : 2 Years

CAS No. : 110-44-1

SR. No.	ITEM	SPECIFICATION	RESULT
1.	Appearance	White to off-White Crystalline Powder	Off-white Crystalline Powder
2.	Odor	Slight characteristic odor	Passes
3.	Assay	99% ~ 101.0%	99.1%
4.	Heat stability	No change in color after heating for 90 minutes at 105°C	Passes
5.	Transmittance	97.0% Min.	98.0%
6.	Identification Test	A. Test of double bonds: Passes Test B. UV: conforms with standard spectrum C. IR spectrum D. Test of Decolorisation	Passes
7.	Appearance of Solution	Solution S is clear & colourless	Complies
8.	Water content	0.5% Max.	0.2%
9.	Aldehydes (as Formaldehyde)	0.1% Max.	<0.1%
10.	Heavy Metals (as Pb)	10 ppm Max.	<10 ppm
11.	Arsenic	2 ppm Max.	<2 ppm
12.	Lead	2 ppm Max.	<2 ppm
13.	Mercury	1 ppm Max.	<1 ppm
14.	Chloride (as Cl)	0.014% Max.	<0.014%
15.	Sulfate (as SO <sub>4</sub> )	0.02% Max.	<0.02%
16.	Sublimation Point	80°C	Complies
17.	Melting Temperature	133°C ~ 135°C	133.0°C ~134.0°C
18.	Residue on Ignition (Sulphated Ash)	0.2% Max.	<0.2%
19.	Total Count Colony	100 cfu/gms. Max.	<100 cfu/gms.
20.	Mould & Yeast	100 cfu/gms. Max.	<100 cfu/gms.
21.	Coliform	30 cfu/gms. Max.	<30 cfu/gms.
22.	Solubility	Slightly soluble in water, soluble in ethanol	Passes

**Conclusion : The quality meets the Standards of IP/BP/EP/USP.**