

**BIMAL PHARMA PVT. LTD.****TYPICAL CERTIFICATE OF ANALYSIS**Name of the product : **SORBIC ACID, FCC IX / E- 200 (FOOD GRADE)**

SR. NO.	TEST	STANDARD SPECIFICATION	RESULT
1.	Appearance	White to off- white Crystalline Powder	White Crystalline Powder
2.	Odour	Slight characteristic Odour	Conforms
3.	Heat Stability	No Change in color after heating for 90 minutes at 105°C.	Passes
4.	Transmittance	97.0% Min	97.8%
5.	Identifications	1) Test of Double Bonds: Should pass the Test 2) UV : Should conform with standard spectrum	Passes Passes
6.	Appearance of Solution (5% w/v in Ethanol, 95%)	The solution should be Clear and Colorless .	The solution is Clear and Colorless.
7.	Assay	99.0%-101.0%	99.3%
8.	Melting Point	133°C –135°C	133.0°C-134.5°C
9.	Moisture Content (By K.F.) (Water Content)	0.5% Max	0.2%
10.	Residue On Ignition (Sulphated Ash)	0.2 % Max	Less than 0.2 %
11.	Aldehydes(As Formaldehyde)	0.1% Max	<0.1%
12.	Arsenic	2mg/Kg Max (2 ppm)	<2mg/Kg
13.	Lead	2mg/Kg Max (2 ppm)	<2mg/Kg
14.	Mercury	1mg/Kg Max (1 ppm)	<1mg/Kg
15.	Heavy Metals (AS Pb)	10mg/kg Max (10 ppm)	<10mg/kg
16.	Sulphates	NMT 0.02 % (200 ppm)	Less than 0.015%
17.	Chlorides	NMT 0.014 % (140 ppm)	Less than 0.014%
18.	Total Count Colony	100 cfu/gm Max	<100 cfu/gm
19.	Mould & Yeast	100 cfu/gm Max	<100 cfu/gm
20.	Coliform	30 cfu/gm Max	<30 cfu/gm
Conclusion: The quality of our Sorbic Acid meets the standards as per FCC IX & E-200.			