



BIMAL PHARMA PVT. LTD.

## TYPICAL CERTIFICATE OF ANALYSIS

Product: **POTASSIUM SORBATE, FCC IX / E- 202 (Food Grade)**

Sr. No.	TEST	SPECIFICATION	RESULTS
1.	Description	White to off white granular	White Granular
2.	Solubility	Freely soluble in Water Practically insoluble in Ether	Passes
3.	Heat Stability	No change in color after heating for 90 Minutes at 105°C	Passes
4.	Identification	(1) Potassium test : Passes test (2) Test of double bonds : Passes test (3) UV : conforms with standard spectrum (4) Melting point : 133.0 ~ 135.0 °C	Passes
5.	Purity	99.0% - 101.0%	99.3%
6.	Loss on Drying	1.0% Max.	0.3% Max.
7.	Alkalinity (As K <sub>2</sub> CO <sub>3</sub> )	≤ 0.8 ml. of 0.1 N Hydrochloric Acid	Passes
8.	Aldehyde (As Formaldehyde)	0.1% Max.	< 0.1%
9.	Arsenic	3 mg. / Kg. Max. (3 ppm)	< 3 mg. / Kg.
10.	Lead	2 mg. / Kg. Max. (2 ppm)	< 2 mg. / Kg.
11.	Mercury	1 mg. / Kg. Max. (1 ppm)	< 1 mg./ kg.
12.	Heave Metals	10 mg / Kg. Max. (10 ppm)	< 10 mg. / Kg.
13.	Chlorides (as Cl)	0.018% Max.	< 0.018%
14.	Sulphate (as SO <sub>4</sub> )	0.038% Max.	< 0.038%
15.	Total Count Colony	100 cfu/gm Max	<100 cfu/gm
16.	Moulds & Yeast	100 cfu/gm Max	<100 cfu/gm
17.	Coliform	30 cfu/gm Max	< 30 cfu/gm

**Conclusion** : The quality of our Potassium Sorbate Granules meets the Standards of **E 202 / FCC IX.**