



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

TYPICAL CERTIFICATE OF ANALYSIS

Name of the product : **POTASSIUM SORBATE, FCC IX / E 202**

Shelf Life : 2 Years

CAS No. : 24634-61-5

SR. No.	ITEM	SPECIFICATION	RESULT
1.	Appearance	White to Off-White Granular	White Granular
2.	Odor	Slight Characteristic odor	Passes
3.	Solubility	Freely soluble in water and practically insoluble in ether	Passes
4.	Heat Stability	No change in color after heating for 90 minutes at 105°C	Passes
5.	Identification test	(1) Potassium Test : Passes Test (2) Test of double bonds : Passes Test (3) UV : conforms with standard spectrum (4) Melting Point : 133°C ~ 135°C	Passes
6.	Assay	99% ~ 101.0%	99.2%
7.	Loss on Drying	1.0% Max.	0.2%
8.	Alkalinity (as K ₂ CO ₃)	≤ 0.25ml of 0.1N Hydrochloric Acid	Passes
9.	Chloride (as Cl)	0.018% Max.	<0.018%
10.	Sulfate (as SO ₄)	0.038% Max.	<0.038%
11.	Aldehydes (as Formaldehyde)	0.1% Max.	<0.1%
12.	Arsenic (as As)	3 mg/kg Max. (3 ppm Max.)	<3 mg/kg
13.	Lead	2 mg/kg Max. (2 ppm Max.)	<2 mg/kg
14.	Mercury	1 mg/kg Max. (1 ppm Max.)	<1 mg/kg
15.	Heavy Metals (as Pb)	10 mg/kg Max. (10 ppm Max.)	<10 mg/kg
16.	Total Count Colony	100 cfu/gms. Max.	<100 cfu/gms.
17.	Mould & Yeast	100 cfu/gms. Max.	<100 cfu/gms.
18.	Coliform	30 cfu/gms. Max.	<30 cfu/gms.

Conclusion : The quality of our Potassium Sorbate Granules meets the standard FCC IX / E 202 and also meets the standards of BP / EP / USP.