


BIMAL PHARMA PVT. LTD.
TYPICAL CERTIFICATE OF ANALYSIS

 Name of the product : **SORBIC ACID (PHARMA 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 | A) Should pass B) Should pass C) Should pass | Passes 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. | Organic Volatile Impurities (OVI) | Should meet the requirements as per USP | Passes |
| 19. | Solubility | Slightly soluble in Water , soluble in Ethanol | Passes |
| Conclusion: The quality of our Sorbic Acid meets the standards as per BP / EP / USP . | | | |