

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : POTASSIUM SORBATE
MSDS no. BPPL 048	SPECIFICATION NO. FP-048

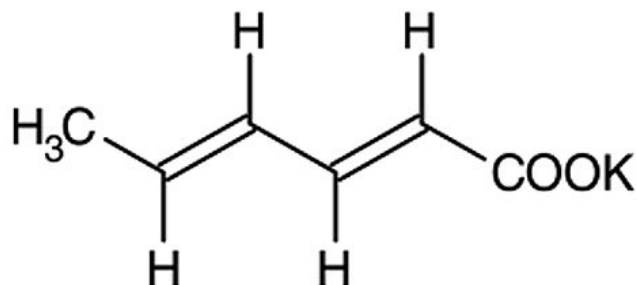
1. NOMENCLATURE : 2,4-Hexadienoic acid, potassium salt.
: Potassium 2,4-hexadienate.
: Sorbistat-K.
: Sorbistat-potassium .

2. CAS NO. : 590-00-1

3. EMPIRICAL FORMULA : $C_6H_7KO_2$

4. MOL. WT. : 150.2

5. STRUCTURAL FORMULA :



5. DESCRIPTION : White or almost white powder or granules;
: Very soluble in water, slightly soluble in Alcohol.

6. THERAPEUTIC USE : Antimicrobial preservative.
: Antiseptic and antistaling agents for food etc
: Used as food preservative in soft drinks, fruits, flavoring, salted food and dairy products.

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT PHARMACOPOEIAL SPECIFICATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : POTASSIUM SORBATE BP/ FCC V / USP NF
MSDS no. BPPL 048	SPECIFICATION NO. FP-048

1. DESCRIPTION : White or Off- white granular or powder.
: Slight characteristic odor.
2. SOLUBILITY : Very soluble in water, slightly soluble
In Alcohol.
3. IDENTIFICATION : A) By Specific Absorbance (UV)
B) By IR.
C) By Melting point.
D) By Reactions of Potassium.
4. MELTING POINT : m. p. of derivative is 132°C to 136°C
5. CLARITY & COLOUR OF SOULTION (APPEARANCE OF SOLUTION) : 5% Solution in Water is Clear and not more Intensely colored than Reference Solution Y₅.
6. HEAVY METALS : 10 ppm Max.
7. PH (Acidity or Alkalinity) : NMT 0.25 ml. of 0.1M NaOH or 0.1M HCL is required.
8. FREE ALKALI (K₂CO₃) : NMT 1%.
9. FREE ACID (SORBIC ACID) : NMT 1%.

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10. ARSENIC (AS As) : 3 ppm Max.
11. CHLORIDE CONTENT : NMT 0.018%.
12. SULPHATE CONTENT : NMT 0.020%.
13. WATER CONTENT : Max. 1.0%
(Loss on Drying)
14. ALDEHYDES : Max. 0.1%
AS Formaldehyde.
15. LEAD CONTENT : 2 ppm Max. (2 mg. /Kg. Max.)
16. MERCURY : 1 ppm Max. (1 mg/ Kg. Max.)
17. HEAT STABILITY : No change in color after heating for
90 minutes at 105°C.
18. LIGHT STABILITY : No change in color after an hour
exposure to light.
19. FOREIGN MATERIAL : No obvious foreign material through
ANALYSIS 0.8 µm filter.
20. POTASSIUM SORBATE : 99.0% - 101.0% (as per BP)
CONTENT 98.0% - 101.0%
(Assay) (on dried basis) (as per USP NF 1)

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21. MICROBIAL TESTING :

Total Count Colony : Less than 1000 cfu/ gm.
Mould & Yeast : Less than 100 cfu/gm.
E. Coli. : Less than 20 cfu/ gm.

22. PACKING : 25 Kgs. HDPE Laminated Multi-wall
Paper, Bags with double PE Liners.