



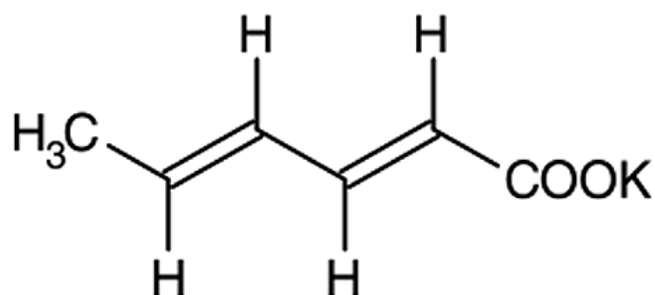
M/s. Bimal Pharma Pvt. Ltd., Mumbai, India
(ISO 9001 : 2015 & AEO T1 Certified Co.)



URS : UKAS

M/S. BIMAL PHARMA PVT. LTD. MUMBAI (INDIA)	FINISHED PRODUCT INFORMATION
QUALITY CONTROL AND ASSURANCE	PRODUCT : POTASSIUM SORBATE, FCC IX / E-202 (FOOD GRADE)
MSDS No. : BPPL 048 (Available on Request)	SPECIFICATION No. : FP-048 (Enclosed)

1. **NOMENCLATURE** : 2,4-Hexadienoic acid, potassium salt.
: Potassium 2,4-hexadienate.
: Sorbistat-K.
: Sorbistat-potassium.
2. **CAS NO.** : 590-00-1 / 24634-61-5
3. **HSN CODE** : 29161990
4. **EMPIRICAL FORMULA** : $C_6H_7KO_2$
5. **MOL. WT.** : 150.2
6. **STRUCTURAL FORMULA** :



7. **DESCRIPTION** : White to Off- white Granular
: Very soluble in water, slightly soluble in Alcohol.
8. **APPLICATIONS IN FOOD** : Antimicrobial Preservative.
: Antiseptic and Antistaling Agents for food etc.
: Used as Food Preservative in Soft Drinks, Fruits, Flavoring, Salted Food and Dairy Products.

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1. **DESCRIPTION** : White to Off- white Granular
: Slight characteristic odor.
2. **SOLUBILITY** : Very soluble in water, slightly soluble
in Alcohol.
3. **IDENTIFICATION** : 1) Potassium Test
2) Test of double bonds
3) UV
4. **MELTING POINT** : M.P. of Derivative is 133°C to 135°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** : 8.5 – 10.5
(10% water solution)
8. **FREE ALKALI
(K₂CO₃)** : NMT 1%
9. **FREE ACID
(SORBIC ACID)** : NMT 1%
10. **ARSENIC (As)** : Max. 3 ppm
11. **LEAD CONTENT** : 2 ppm Max. (2 mg/ Kg. Max.)
12. **MERCURY** : 1 ppm Max. (1 mg/ Kg. Max.)
13. **CHLORIDE CONTENT** : NMT 0.018%

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14. **SULPHATE CONTENT** : NMT 0.038%
15. **WATER CONTENT** : Max. 1.0%
(Loss on Drying)
16. **ALDEHYDES** : Max. 0.1%
(as Formaldehyde)
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
ANALYSIS** : No obvious foreign material through
0.8 µm filter.
20. **POTASSIUM SORBATE
CONTENT** : 99% - 101.0%
(Assay) (on dried basis)
21. **MICROBIAL TESTING** :
- Total Count Colony : Less than 100 cfu/ gms.
Mould & Yeast : Less than 100 cfu/gms.
Coliform : Less than 30 cfu/ gms.
22. **PACKING** : 25 Kgs. White carton with double PE
Liners inside.