



M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : POTASSIUM SORBATE, FCC IX (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.

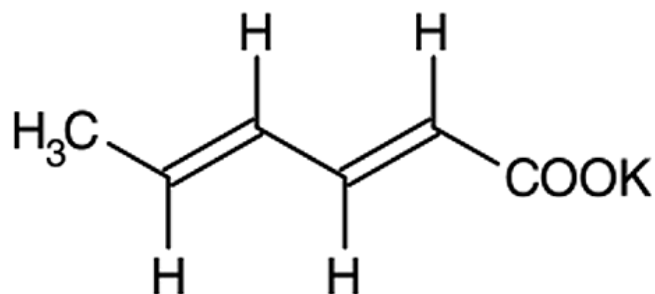
2. **CAS NO.** : 590-00-1 / 24634-61-5

3. **HSN Code** : 29161990

4. **EMPIRICAL FORMULA** : C<sub>6</sub>H<sub>7</sub>KO<sub>2</sub>

5. **MOL. WT.** : 150.2

6. **STRUCTURAL FORMULA** :



7. **DESCRIPTION** : White or almost white powder or granules;  
: 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 or Off- white granular or powder.  
: 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 SOLUTION  
(APPEARANCE OF SOLUTION)** : 5% Solution in Water is Clear and not more  
Intensely colored than reference solution Y<sub>5</sub>.
6. **HEAVY METALS** : 10 ppm Max.
7. **PH** : 8.5 – 10.5  
(10% water solution)
8. **FREE ALKALI  
(K<sub>2</sub>CO<sub>3</sub>)** : NMT 1%.
9. **FREE ACID  
(SORBIC ACID)** : NMT 1%.
10. **ARSENIC (AS 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%.
14. **SULPHATE CONTENT** : NMT 0.038%.

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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** : No obvious foreign material through  
**ANALYSIS** 0.8 µm filter.
20. **POTASSIUM SORBATE** : 99% - 101.0%  
**CONTENT**  
(Assay) (on dried basis)
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. White carton with double PE  
Liners inside.