



**M/s. Bimal Pharma Pvt. Ltd., Mumbai, India**  
(ISO 9001 : 2015 & AEO T1 Certified Co.)  
[www.sorbicsorbates.com](http://www.sorbicsorbates.com)

URS : UKAS



Cert. No.: 110661/A/0001/UK/En

<b>M/S. BIMAL PHARMA PVT. LTD. MUMBAI (INDIA)</b>	<b>FINISHED PRODUCT INFORMATION</b>
QUALITY CONTROL AND ASSURANCE	PRODUCT : SORBIC ACID, FCC IX / E-200 (FOOD GRADE)
MSDS No. : BPPL 049 (Available on Request)	SPECIFICATION No. : FP-049 (Enclosed)

**1. NOMENCLATURE** : 2,4-Hexadienoic Acid.  
: (E,E)- Hexa-2,4 - Dienoic Acid.  
: 2-Propenylacrylic Acid.  
: Hexadienoic acid.  
: 1,3- Pentadiene – 1- Carboxylic Acid.

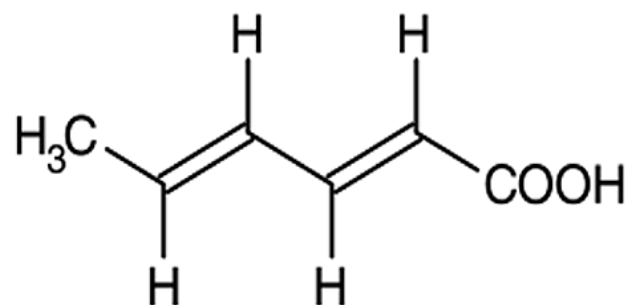
**2. CAS NO.** : 22500-92-1 / 110-44-1

**3. HSN Code** : 29161960

**4. EMPIRICAL FORMULA** : C<sub>6</sub>H<sub>8</sub>O<sub>2</sub>

**5. MOL. WT.** : 112.1

**6. STRUCTURAL FORMULA** :



**7. DESCRIPTION** : A white or almost white,  
Crystalline powder;  
: Slightly soluble in water;  
: Freely soluble in Alcohol and in Ether.

**8. THERAPEUTIC USE** : Antimicrobial Preservative.  
: Additives in Soft Drinks, Fruits,  
: Flavoring, Salted Food, Dairy Products.

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1. **DESCRIPTION** : A white or almost white,  
Crystalline Powder.  
: Slight characteristic Odour.
2. **SOLUBILITY** : Slightly soluble in water ;  
Freely soluble in Alcohol and in Ether.
3. **IDENTIFICATION** : 1) Test of Double Bonds  
2) UV : Should conform with standard spectrum.
4. **MELTING POINT** : 133°C to 135°C.
5. **CLARITY & COLOUR OF SOLUTION  
(APPEARANCE OF SOLUTION)** : 5% Solution in Alcohol is Clear and Colorless.
6. **HEAVY METALS (as Pb)** : 10 mg/kg. Max. (10 ppm Max.)
7. **RESIDUE ON IGNITION  
(Sulphated Ash)** : 0.2% Max.
8. **ARSENIC (As)** : 2 mg/kg. Max. (2 ppm Max.)
9. **LEAD** : 2 mg/kg. Max. (2 ppm Max.)
10. **ALDEHYDES  
(as FORMALDEHYDE)** : 0.1% Max.
11. **MERCURY** : 1 mg/kg. Max. (1 ppm Max.)

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- 12. CHLORIDE** : 0.014% Max.
- 13. SULPHATE** : 0.02% Max.
- 14. WATER CONTENT  
(Loss on Drying)** : 0.5% Max.
- 15. HEAT STABILITY** : No change in color after heating  
for 90 minutes at 105°C
- 16. SORBIC ACID CONTENT** : 99.0% -101.0%  
(Assay, ODB)
- 17. TOTAL COUNT COLONY** : 100 cfu /gms Max.
- 18. MOULD & YEAST** : 100 cfu /gms Max.
- 19. COLIFORM** : 30 cfu /gms Max.
- 20. PACKING** : 25 Kgs. Hard Board Carton with Double  
PE Liners inside.

