



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

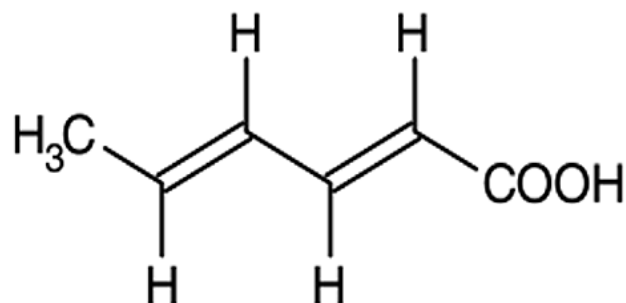
2. **CAS NO.** : 22500-92-1 / 110-44-1

3. **HSN Code** : 29161960

4. **EMPIRICAL FORMULA** : $C_6H_8O_2$

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.

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT PHARMACOPOEIAL SPECIFICATIONS
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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 ppm Max.
- 7. RESIDUE ON IGNITION
(Sulphated Ash)** : 0.2% Max.
- 8. ARSENIC (AS As)** : 2 ppm Max.
- 9. ALDEHYDES AS
FORMALDEHYDE** : 0.1% Max.

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- 10. MERCURY** : 1 mg. / kg. Max
(1 ppm Max.)
- 11. CHLORIDE** : 0.014% Max.
- 12. SULPHATE** : 0.02% Max.
- 13. WATER CONTENT
(Loss on Drying)** : 0.5% Max.
- 14. HEAT STABILITY** : No change in color after heating
for 90 minutes at 105°C
- 15. SORBIC ACID CONTENT
(Assay, ODB)** : 99.0% -101.0%
- 16. Total Count Colony** : 100 cfu / gm Max.
- 17. Mould & Yeast** : 100 cfu / gm Max.
- 18. Coliform** : 30 cfu / gm Max.
- 19. PACKING** : 25 Kgs. Hard Board carton with Double
PE Liners inside.