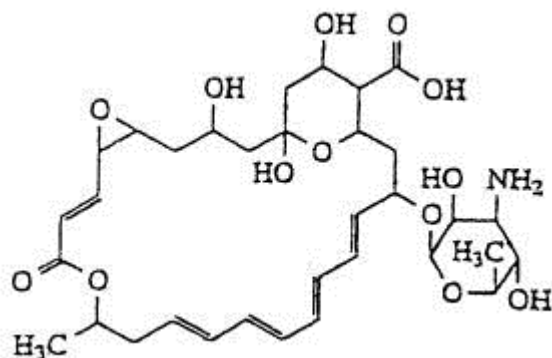




M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : NATAMYCIN, 95% FOOD GRADE
MSDS no. BPPL 182 (Available on Request)	SPECIFICATION NO. FP- 182 (Enclosed)

1. **NOMENCLATURE** : Pimaricin
2. **CAS NO.** : 7681-93-8
3. **MELTING POINT** : 280°C (Decomposed)
4. **HSN CODE** : 29181190
5. **EMPIRICAL FORMULA** : $C_{33}H_{47}NO_{13}$
6. **MOL. WT.** : 665.73

7. **STRUCTURAL FORMULA**



8. **DESCRIPTION** :
 - : White to off-white Crystalline Powder. (Cream –colored Powder)
 - : No Taste or Odour.
 - : Not soluble in Water.
 - : Insoluble in Higher Alcohols, Ether and Ester.
 - : Slightly soluble in Methanol.
 - : Completely soluble in Glacial Acetic acid and Di Methyl Sulfoxide. (DMSO).
9. **APPLICATIONS** :
 - : As Food Additive, it used to protect food from Mold and Yeast growth.
 - : Globally used in Cheese, Juice, Wine And Meat Industry.
 - : Surface Treatment for Semi – Dried, Cured Meat products, Yogurts, Man-made butter.

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT PHARMACOPOEIAL SPECIFICATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : NATAMYCIN, 95%, E - 235 (Food Preservative)
MSDS no. BPPL 182 (Available on Request)	SPECIFICATION NO. FP- 182

- 1. DESCRIPTION** : White to off-white Crystalline Powder.
(Cream –colored Powder)
: No Taste or Odour.
- 2. SOLUBILITY** : Not soluble in Water.
: Insoluble in Higher Alcohols, Ether and Ester.
: Slightly soluble in Methanol.
: Completely soluble in Glacial Acetic acid and Di Methyl Sulfoxide. (DMSO).
- 3. LOSS ON DRYING** : 6.0 % to 9.0 %
- 4. SPECIFIC OPTICAL ROTATION** : +250 to +295
- 5. pH** : 5.0 to 7.5
- 6. NATAMYCIN CONTENT** : More than 95.0%
- 7. ARSENIC (As)** : NMT 3 ppm
- 8. HEAVY METALS** : NMT 0.001% (10 ppm)
- 9. ASH** : NMT 0.5%



International Customs Cert.

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT PHARMACOPOEIAL SPECIFICATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : NATAMYCIN, 95%, E - 235 (Food Preservative)
MSDS no. BPPL 182 (Available on Request)	SPECIFICATION NO. FP- 182

- 10. MERCURY (Hg)** : NMT 0.0001% (1 ppm)
- 11. LEAD** : NMT 2 ppm
- 12. MICROBIAL LIMIT TEST** :
- Total Plate Count : NMT 100 cfu/gm.
Coliform Bacteria : NMT 40 mpn/100 gm.
Salmonella : Negative (in 25 gms.)
Listeria Monocyt : Negative (in 25 gms.)
- 13. PACKING** :
- 250 gms./ 500 gms. Plastic Bottle / Aluminium Foil Bag.
1000 gms. (1.0 Kg) Plastic Bottle / Aluminium Foil Bag.
10 Bottles / Case
20 Bottle / Case
As per customer's requirement.
- 14. STORAGE** :
- Sealed keeping in cool place where there is no direct sunshine exposure and the temp. is 2°C to 15°C.
It is sensitive to oxidant and Ultraviolet Radiation (U.V)
- 15. SHELF LIFE** : 2 Years