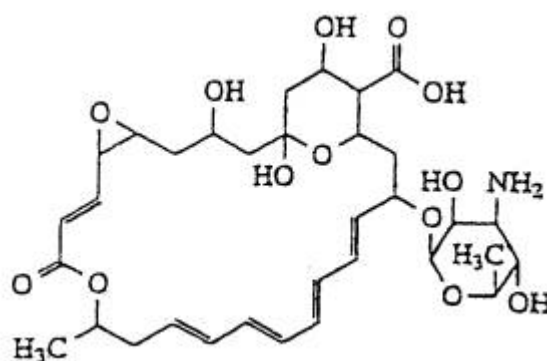


M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT INFORMATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : NATAMYCIN
MSDS no. BPPL 121 (Available on Request)	SPECIFICATION NO. FP- 121 (Enclosed)

1. **NOMENCLATURE** : Pimaricin
2. **CAS NO.** : 7681-93-8
3. **MELTING POINT** : 280°C (Decomposed)
4. **HS CODE NO. (ITC CODE)** : 29419090
5. **EMPIRICAL FORMULA** : $C_{33}H_{47}NO_{13}$
6. **MOL. WT.** : 665.73

7. **STRUCTURAL FORMULA**



8. **DESCRIPTION** :
- : White to Yellow Crystalline Powder. (Cream -coloured to slightly Yellow 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 PHARMACOPEIAL SPECIFICATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : NATAMYCIN (Q/LWR01-2007) / E 235 (Food Preservative)
MSDS no. BPPL 121 (Available on Request)	SPECIFICATION NO. FP- 121

- 1. DESCRIPTION** : White to Yellow Crystalline Powder.
(Cream –coloured to slightly Yellow 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. MOISTURE CONTENT** : 6.0 % to 9.0 %
- 4. pH** : 5.0 to 7.5
- 5. NATAMYCIN CONTENT** : More than 50%
- 6. ARSENIC (As)** : NMT 1 ppm
- 7. HEAVY METALS (Pb)** : NMT 0.002% (20 ppm).
- 8. SPECIFIC ROTATION** : + 2760° to + 2800°
- 9. ASH** : NMT 0.5%
- 10. MERCURY (Hg)** : NMT 0.0001% (1 ppm).

M/S. BIMAL PHARMA PVT. LTD . MUMBAI (INDIA)	FINISHED PRODUCT PHARMACOPOEIAL SPECIFICATIONS
QUALITY CONTROL AND ASSURANCE	PRODUCT : NATAMYCIN (Q/LWR01-2007) / E 235 (Food Preservative)
MSDS no. BPPL 121 (Available on Request)	SPECIFICATION NO. FP- 121

11. MICROBIAL LIMIT TEST :

Count of Colony	:	NMT 100 cfu/gm.
Pathogen	:	Absent
E. Coli	:	Negative (in 25 gms.)
Salmonella	:	Negative (in 25 gms.)

12. 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.

13. 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 Radition. (U.V)

14. SHELF LIFE	:	2 Years.
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