



CERTIFICATE OF ANALYSIS

PRODUCT BRAND : Pimaripro

PRODUCT NAME : Natural Food preservative

TYPE : Food grade

COMPOSITION : Natamycin 50%
CAS 7681-93-8
Molecular weight 665.74
Chemical form $C_{22}H_{40}NO_{11}$

Lactose 50%
CAS 10039-26-6
Molecular weight 360.32
Chemical form $C_{12}H_{22}O_{11}$

PRESENTATION : 75gr, 100gr, 500gr, 5kg

APPERANCE : White-cream crystalline powder

ODOR : Almost odorless

RESIDUE ON IGNITION : 0.3 %
(Max. 0.5 %)

LOSS ON DRYING : 3.7 %
(Max. 8.0 %)

pH : 6.3
(5.0 - 7.5)

ASSAY (CONTENT) : 52,8 %
(Natamycin min. 50%)

ASH : 0.3%
($\geq 0.0\%$)

TOTAL HEAVY METALS : < 10mg/kg
(Max. 10mg/kg)

LEAD : < 2mg/kg
(Max. 5mg/kg)

ARSENIC : < 3mg/kg
(Max. 3mg/kg)

MERCURY : < 1mg/kg
(Max. 1mg/kg)

MICROBIOLOGICAL COUNT : max. 100 cfu/g

SALMONELLA : absent
(25 gr. sample)

E. COLI : absent
(25 gr. sample)

LISTERIA MONOCYT : absent
(25 gr. sample)

PRODUCT DESCRIPTION

Pimaripro is natural antimycotic based on natamycin produced by fermentation using a strain of "Streptomyces natalensis". Pimaripro is applied to protect food products from most fungus infections.

USAGE LEVELS

The recommended dosage of Pimaripro is in the range 5 - 50 ppm (5gr - 50 gr/ton). Exact dosage cannot be stated as it depends on the nature of the application.

STORAGE

Store unopened under 20 °C in dry conditions, away from direct sunlight. When opened, store under 20 °C in original container in dry conditions, away from direct sunlight.

SHELF LIFE

Shelf life is 18 months when stored according to recommendations. Opened containers suffer loss of activity after 40 days.

SECURITY

The natamycin is an antimocotic agent with a wide security margin, authorized in more than 40 countries and used during more than 30 years.

SAFETY AND HANDLING

MSDS is available upon request.

COUNTRY OF ORIGIN

Turkey

Authorized person:

Name :
Date :
Signature :