



BIMAL PHARMA PVT. LTD., MUMBAI, INDIA
(ISO 9001 : 2015 & AEO T1 Certified Co.)

TYPICAL CERTIFICATE OF ANALYSIS

Name of the product : **NISIN, E-234 (Food Grade)**

CAS No. : 1414-45-5

Shelf Life : 2 Years

RESULT OF ANALYSIS

SR. No.	TEST	SPECIFICATION (As per Food Grade)	OBSERVATION
1.	Description	Very Slight Brownish to White Powder	Complies
2.	NISIN Concentration (IU/mg)	≥1150	1167
3.	Sodium Chloride (%w/w)	≥50%	95.70%
4.	Loss on Drying (%w/w)	≤3.0 (When dried to constant weight at 102°C to 103°C)	0.40%
5.	pH of 10% Aqueous Solution	2.8 – 3.8	2.82
6.	Arsenic (mg/kg)	≤1.0	Complies
7.	Mercury (mg/kg)	≤1.0	Complies
8.	Lead (mg/kg)	≤1.0	Complies
9.	Heavy Metals (as Pb) (mg/kg)	≤10.0	Complies
10.	Total Bacterial Count (cfu/gms)	≤10.0	Complies
11.	Coli form Bacteria (MPN/100 gms)	≤3.0	Complies
12.	Escherichia (MPN/100 gms)	≤3.0	Complies
13.	Salmonella	Absent in 25 gms	Complies

Conclusion : The above Specification Confirms with Food Grade Standards, as per E-234.