

## Nisin

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Cat. No.: HY-P1607  
CAS No.: 1414-45-5  
Batch No.: 314956  
Chemical Name: Nisin A

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{143}H_{230}N_{42}O_{37}S_7$   
Molecular Weight: 3354.07  
Storage: Sealed storage, away from moisture and light  
Powder                    -80°C        2 years  
                                 -20°C        1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### ANALYTICAL DATA

Appearance: Off-white to light brown (Solid)  
Loss on drying: 0.893%  
Lead:  $\leq 1$  mg/kg  
NaCl: 86.3%  
Total plate counts:  $\leq 10$  cfu/g  
Salmonella: Negative  
Coliforms:  $< 3.0$  MPN/g  
E.coli:  $< 3.0$  MPN/g  
Titer: 1155 IU/mg  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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