

Product Specification

[Product Name] ε-Polylysine

[Model] PL-03

[Color] Light yellow powder, no agglomeration.

[Aroma] Has the characteristic odor of ε-Polylysine.

[Flavor] Odorless.

[Ingredients] ε-Polylysine, natamycin, glycine

[Product Features] (1) Safety: ε-polylysine and natamycin are both fermentation-derived antibacterial agents, and their safety is higher than other chemical preservatives;

(2) Bacteriostatic broad-spectrum: ε-polylysine has a significant inhibitory effect on bacteria and yeasts, and natamycin has a strong antibacterial effect on molds, and the synergistic use of the two is more comprehensive;

[Product Application] ε-Polylysine can be used to improve the shelf life of sauce, dairy products

[Dosage] According to the characteristics of food technology, the quantity should be added in accordance with the provisions of GB2760.

[Caution] If product comes in contact with sensitive skin or eyes, flush thoroughly and repeatedly with water.

[Quality Index]

Test items	Standard range	Test method
Appearance	Light yellow powder, no agglomeration	Visual inspection
ε-Polylysine content, w/%	47±0.5	The A.4 in Appendix A of the Notice No. 5 of 2014 of the Health and Family Planning Commission
Natamycin(w/%)	12±0.5	GB/T21915-2008
Loss on drying (w/%)	≤5	GB 5009.3 Direct drying method
Lead (Pb)/(mg/kg)	≤1	GB5009.12
Total arsenic (calculated as As)/(mg/kg)	≤0.5	GB/T5009.11
Colonies number(CFU/g or CFU/ml)	≤100	GB4789.2
Ash, w/%	≤3.0	GB 5009.4

The drying temperature and time were 105 °C ± 2 °C and 2h.

[Packaging & Storage] packing: 100g/bottle, 500g/bottle . Outer packing: 500g*20 bottle in carton packing. This product should be stored in a cool, dark, and dry place.

[Shelf life] 24 months from manufacture date with the original unopened package.