

CCS X 09



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 1886.371-2023

**National Food Safety Standard Food Additive
epsilon-Polylysine Hydrochloride**

Issued on: September 6, 2023

Implemented on: March 6, 2024

**Issued by: National Health Commission of the People's Republic of
China, State Administration for Market Regulation**

Table of Contents

- 1 Scope
- 2 Chemical name, molecular formula and structural formula
 - 2.1 Chemical name
 - 2.2 Molecular formula
 - 2.3 Structural formula
- 3 Technical requirements
 - 3.1 Sensory requirements
 - 3.2 Physical and chemical indicators

1 Scope

The food additive epsilon-polylysine hydrochloride is obtained after adsorption by exchange resin, elution with hydrochloric acid and purification.

2.1 Chemical name

epsilon-Poly 2,6-diaminocaproic acid hydrochloride.

2.2 Molecular formula

$H[C_6H_{12}N_2O_2HCl]_nHO$ ($n=25\sim35$)

3.1 Sensory requirements

Sensory requirements should comply with Table 1.

Table 1 Sensory requirements

Project requirements inspection method Color. light yellow to white Status powder, no foreign matter visible with normal vision No peculiar smell Take an appropriate amount of sample and place it in a clean, dry white porcelain plate.

Observe its color and condition under natural light, and smell its smell

3.2 Physical and chemical indicators

The physical and chemical indicators should comply with the provisions of Table 2.