

## Serratiopeptidase

### 1 Scope

The standards specifies Serratiopeptidase's Technical Requirements, Enzymatic properties, Storage and Shelf Life. The standards applies to Serratiopeptidase.

### 2 Normative Reference Documents

In-house

### 3 Technical Requirements.

#### 3.1 Sensory Index

Serratiopeptidase 's sensory index shall comply with the standards in table-1.

Table-1:

Index Name		Index Requirements
Sensory Index	Appearance	Beige to light grayish brown powder
	Color	Beige to light grayish brown
	Odor	Characteristic odor

#### 3.2 Granularity: 100-900μm

#### 3.3 Physical and Chemical index

Serratiopeptidase's physical and chemical index shall comply with the standards in Table-2:

Index Name		Index Requirements
Physical and chemical index	Moisture / (%)	≤7
	Serratiopeptidase Activity / (SPU/mg)	≥2,500

#### 3.4 Hygienic Index

Serratiopeptidase 's hygienic index shall comply with the standards in Table-3.

Index Name		Index Requirements
Hygienic Index	Total Bacteria(CFU/g)	≤3000
	Coliform Bacteria(CFU/g)	<30
	Molds and Yeasts(CFU/g)	<100
	E. coli	Absent
	Salmonella	Absent
	Staphylococcus aureus	Absent
	Pseudomonas aeruginosa	Absent
	Lead(ppm)	<3

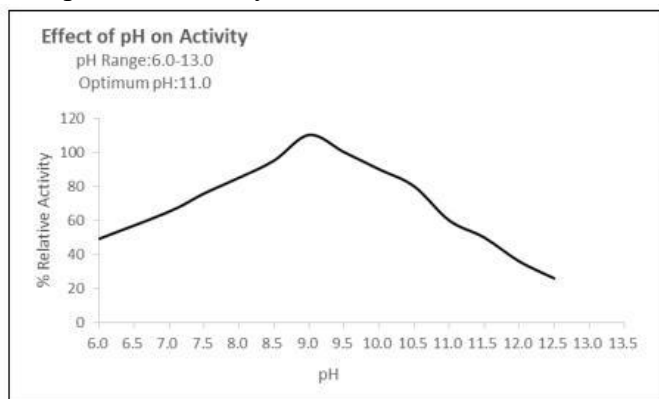
	Mercury(ppm)	<0.1
	Cadmium(ppm)	<1
	Arsenic(ppm)	<1

### 3.4 Package Net Weight Requirements

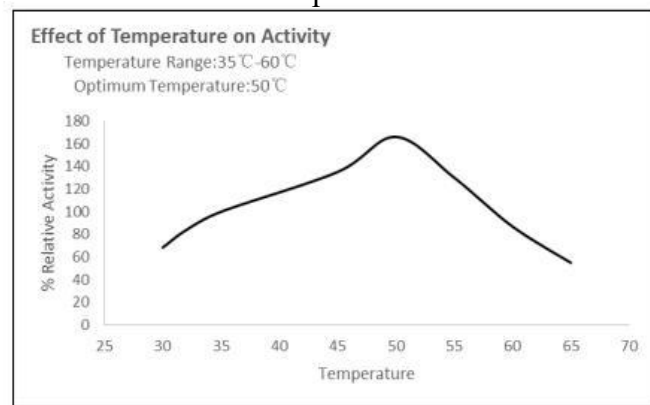
25.0kg

## 4 The enzymatic properties of Serratiapeptidase

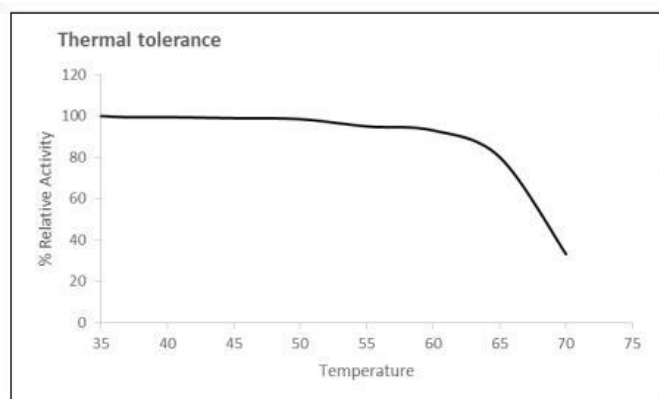
### 4.1 pH and Activity



### 4.2 Reaction temperature



### 4.3 Heat resistance



## 5 Storage and Shelf Life

### 5.1 Storage

Store in cool and dry place protected from light, keep barrel close when not in use.

### 5.2 Shelf Life

Shelf life under prescribed storage conditions and air-tight packing will be 2 years.