

## 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: 100-900 $\mu$ m

#### 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 / (%)	$\leq 7$
	Serratiopeptidase Activity / (SPU/mg)	$\geq 2,500$

#### 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)	$\leq 3000$
	Coliform Bacteria(CFU/g)	$< 30$
	Molds and Yeasts(CFU/g)	$< 100$
	E. coli	Absent
	Salmonella	Absent
	Staphylococcus aureus	Absent
	Pseudomonas aeruginosa	Absent
	Lead(ppm)	$< 3$



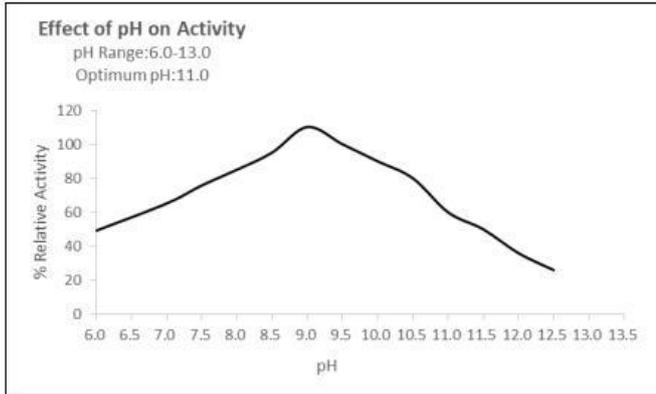
	Mercury(ppm)	<0.1
	Cadmium(ppm)	<1
	Arsenic(ppm)	<1

### 3.4 Package Net Weight Requirements

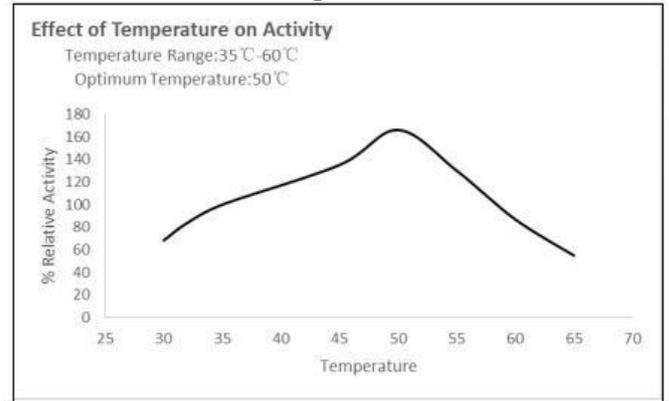
25.0kg

### 4 The enzymatic properties of Serratiopeptidase

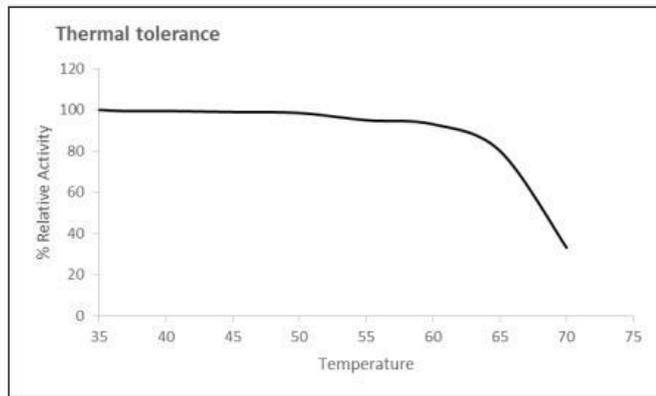
#### 4.1 pH and Activity



#### 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.