



NEWGEN BIOTECH

TDS for Neutral Proteas

1 Scope

The standards specifies Protease Neutral's Technical Requirements,Enzymatic properties , Storage and Shelf Life.

The standards applies to Protease Neutral.

2 Normative Reference Documents

FCC VII

3 Technical Requirements.

3.1 Sensory Index

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

Table-1:

Index Name		Index Requirements
Sensory Index	Appearance	Brown powder
	Color	Brown
	Odor	Characteristic odor

3.2 Physical and Chemical index

Protease Neutral's physical and chemical index shall comply with the standards in Table-2.

Table-2:

Index Name	Index Requirements
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Physical and chemical index	Moisture / (%)	≥ 7
	Protease Neutral Activity / (HUT/g)	$\geq 500,000$

3.3 Hygienic Index

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

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	Not Allowed
	Salmonella	Not Allowed
	Staphylococcus aureus	Not Allowed
	Pseudomonas aeruginosa	Not Allowed
	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 lactase

4.1 pH and Activity

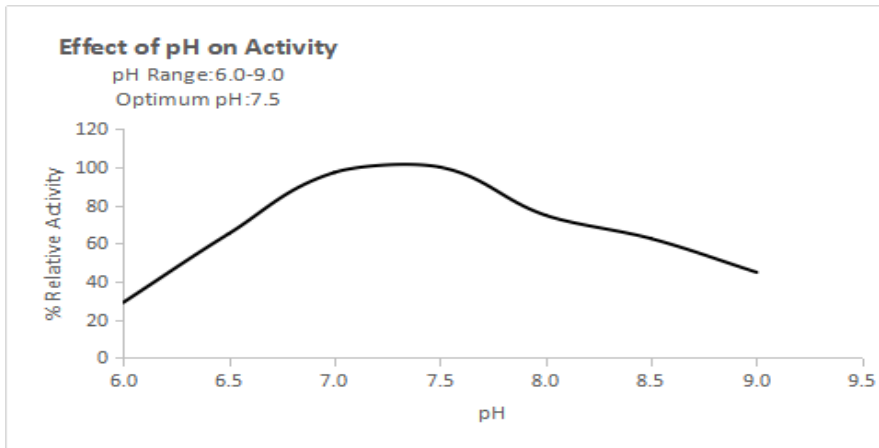
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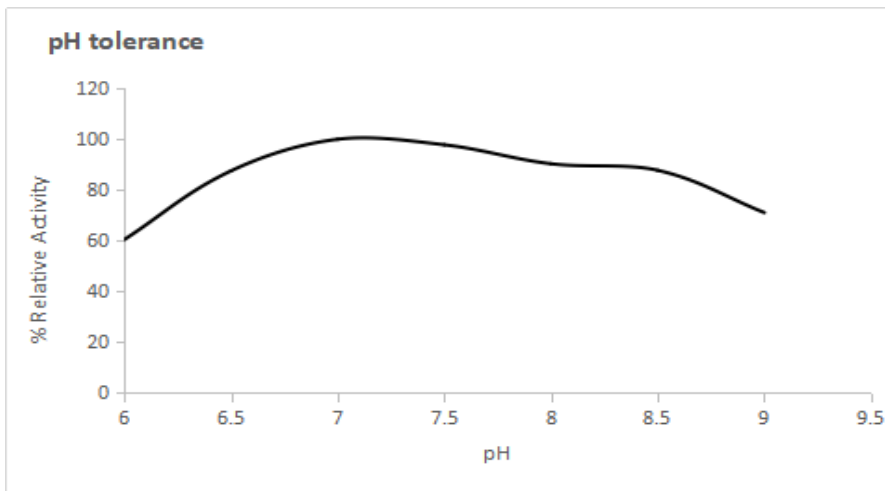
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4.2 pH and Stability



4.3 Reaction temperature

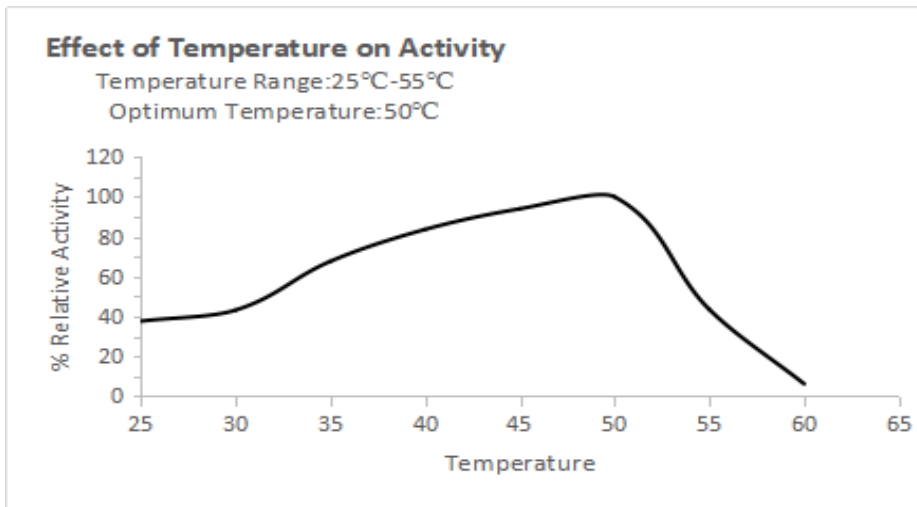
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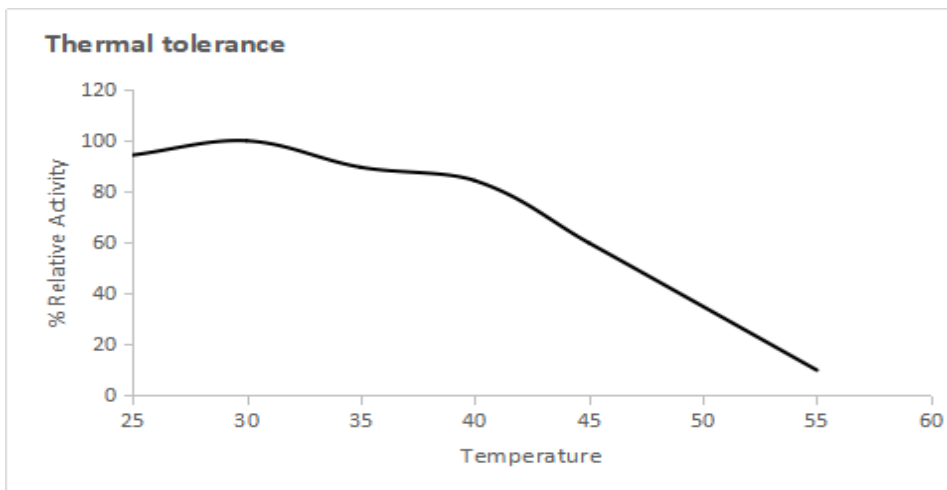
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4.4 Heat resistance



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.

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