

Ферменты

Технические характеристики

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TRYPSIN 2000 U/G EXTRA PURE
Ex: Pancreas Store at 0-4°C (0.2 Anson unit/g) ---

Product Code.	02791	Grade	Extrapure
Purity		CAS No.	9002-07-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	3507.90990	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	White powder
Proteolytic acitivity	Min 2000 U/G
Solubility	Partly soluble in water; insoluble in organic solvent
Loss on drying	Max. 5%
Microbial Limits	
Total viable aerobic count (TVAC)	Max. 2000/gram
Total yeast and mould count (TYMC)	Max 100/gram
Bile-tolerant gram-negative bacteria	Max 100/gram
E.coli.	Absent/gram
Salmonella species	Absent/10 gram
Staphylococcus aureus	Absent/gram

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H315-H319-H334-H335 Precaution Statement: P261-P305 + P351 + P338-P342 + P311

DIASTASE (FUNGAL) AMYLASE ACTIVITY 1:2000

Store in refrigerator a-Amylase ; Amylase Activity 1300 1 U/g

Product Code.	00949	Grade	
Purity		CAS No.	9000-92-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	3507.90620	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Off white powder	Odour	Odorless
pH value	5.5 - 6.0				

Packaging

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Specification

Appearance	Cream to light brown coloured powder; almost odorless, hygroscopic
Amylase activity	1:2000
Solubility	Sparingly soluble in water (except when admixed with an insoluble diluents); insoluble in ethanol (95 per cent) and in ether
Loss on drying (at 105°C)	Max 5.0%
E.coli.	Absent
Salmonella species	Absent

Safety Information and Hazard Symbols


Symbol: GHS08 Signal Word: Danger Hazardous Statement: H334 Precaution Statement: P261-P342 + P311

JACK BEAN MEAL

Source of urease. Each mg of urease-active meal will hydrolyse 3 mg urea in 30 minutes at 37 deg C
store in cool place at +4 deg C. Jack beans

Product Code.	01482	Grade	
Purity		CAS No.	9002-13-5
Molecular Formula		Molecular Weight	0.00
H.S.Code	3507.90690	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown powder	Solubility in water [% weight]	Soluble in water
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Packaging

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Specification

Appearance	Cream to Light brown coloured powder
Suitability	Passes test

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H315-H319-H334-H335 Precaution Statement: P261-P305 + P351 + P338-P342 + P311

PANCREATIN (ACTIVITY EQ 1 NF) FROM PIG PANCREASE

(From pig pancrease) Confirming to IP Store at 2-4°C

Product Code.	01917	Grade	
Purity		CAS No.	8049-47-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	3507.90200	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown
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Specification

Appearance	A white to light buff colored amorphous powder; Odour meaty and not unpleasant
Solubility	Soluble in water producing a slightly turbid solution; practically insoluble in ethanol (95%) & in ether.
Loss on drying (at 60°C & 0.7KPa; 4 hrs)	Max 5.0%
Microbial Limits	
E.coli.	Negative/1gm
Salmonella species	Negative/1gm
Fat content	Max 5.0%
Assay	
Proteolytic activity	Titration difference between test and blank is NLT 4.5 ml of 0.1N NaOH
Amylase	Min 100 U/gm
Lipase	Titration difference between test and blank is NLT 1.0 ml of 0.05 N NaOH

Safety Information and Hazard Symbols

 
Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H315-H319-H334-H335 Precaution Statement: P261-P305 + P351 + P338-P342 + P311

PAPAIN EXTRAPURE

From papaya latex Confirms to IP Store between 0 to 4°C Papainase

Product Code.	01920	Grade	Extrapure
Purity		CAS No.	9001-73-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	3507.90710	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Off white powder	Solubility in water [% weight]	Soluble in water
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Packaging

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Specification

Appearance	A white to lightbrown, amorphous or slightly granular powder with characteristic odour
Microbial contamination	1.0 g is free from Escherichia coli and 10.0 g is free from salmonellae
Loss on drying (at 60°C & 0.7KPa; 4 hrs)	Max 7.0%
Proteolytic acitivity	Not less than 4.5 ml of 0.1N NaOH solution

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H315-H319-H334-H335 Precaution Statement: P261-P305 + P351 + P338-P342 + P311

PEPSIN 1:3000
From HOG Stomach. Contains lactose as diluent. Store at 0 to 4°C

Product Code.	01950	Grade	
Purity		CAS No.	9001-75-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	3507.90300	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Creamy powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	Off white to pale yellow coloured powder
Loss on drying	Max 5%
Ash content	Max 5%
pH (2% aq solution)	3 - 5
Activity	0.8 Anson units/mg

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H315-H319-H334-H335 Precaution Statement: P261-P305 + P351 + P338-P342 + P311

PEPSIN 1:10000 (FOR VACCINE PRODUCTION)

For vaccine production Store at 0 to 4 deg C

Product Code.	01951	Grade	
Purity		CAS No.	9001-75-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	3507.90300	Shelf Life	24 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Creamy powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	Cream colored powder
Loss on drying	Max 3%
Ash content	Max 2%
pH	3 - 5
Other activity values	3 m Anson units/mg

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H315-H319-H334-H335 Precaution Statement: P261-P305 + P351 + P338-P342 + P311

TRYPSIN 1:250

From porceine pancrease Store at 0-4°C; For Tissue Culture

Product Code.	02790	Grade	
Purity		CAS No.	9002-07-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	3507.90990	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	White to tan, light brown, crystalline or amorphous, hygroscopic powder
Loss on drying (at 40°C; 4 hrs; 7 kPa)	Max 5.0%
Proteolytic acitivity	Min 1:250
Microbial Limits	
Total viable aerobic count (TVAC)	Max 2000/gram
Total yeast and mould count (TYMC)	Max 100/gram
Bile-tolerant gram-negative bacteria	Max 100/gram
E.coli.	Absent/gram
Salmonella species	Absent/10 gram
Staphylococcus aureus	Absent/gram

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H315-H319-H334-H335 Precaution Statement: P261-P305 + P351 + P338-P342 + P311

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