CERTIFICATE OF ANALYSIS

TRYPSIN 1:250 PORCINE PANCREAS, USP GRADE, *LOW ENDOTOXIN, IRRADIATED*

Catalogue No: 625-035-**

Lot No: 625035027

Exp Date: 01/2025

Shipping: Ambient

Storage: Store Refrigerated at 2 to 8°C, dry conditions.

Irradiation: Minimum delivered dose 30 kG

Source: Porcine Pancreas

Country of origin: Canada

TEST	SPECIFICATION	UNITS	RESULTS
Appearance	Off-White to beige amorphous powder		Meets specification
Standard Plate count	< 1 000	CFU/gram	< 1 000
Yeast and Mold	< 10	CFU/gram	<10
Pseudomonas aeruginosa	Not detected in 25 g		Not detected
Salmonella sp	Not detected in 25g		Not detected
Staphycoccus aureus	< 10	CFU/mg	< 10
Escherichia coli	Not detected in 25g		Not detected
Endotoxin (KTA Method)	< 20	EU/mg	<2.5
Porcine Parvovirus (9CFR Method)	Tested negative		Negative
Porcine Circovirus (9CFR Method)	Tested negative		Negative

TEST	SPECIFICATION	UNITS	RESULTS
ASH	< 2.5	%	<0.1
Moisture	< 5.0	%	1.6
Chymotrypsin Activity	75-180	Units/mg	107
Trypsin Activity	≥ 225	Units/mg	831
Protease Activity	225-275	Units/mg	230

UNIT DEFINITIONS:

TRYPSIN: The amount of enzyme causing an increase in absorbance at 253 nm of 0.003 per minute at 25°C.

CHYMOTRYPSIN: The amount of enzyme causing a decrease in absorbance at 237 nm of 0.0075 per minute at 25°C.

PROTEASE: The amount of enzyme that digest 1.0 mg of CASEIN under the conditions of the assay (USP 24).