ERC Catalysts, Inc.
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Seaprosidase™ (Aspergillus melleus)

SPECIFICATION SHEET

DESCRIPTION
Seaprosidase™ is a blend of two Non-GMO enzymes from Aspergillus melleus, Peptidase S and S

PHYSICAL PROPERTIES
An off white to light tan colored, free-flowing powder with some crystals, soluble in water, free odor and taste.

ENZYMATIC PROPERTIES
The enzyme is stable in a pH range from 5.0 - 10.0 with the optimum pH of 7.0. The optimum t is 45ºC with a stability range from 35ºC to 50ºC.

ACTIVITY
One proteolytic activity unit (U) is an amount of enzyme yielding a product equivalent of 1 mic tyrosine per minute under the reaction conditions specified. The acceptance criteria for all enz is NLT 85.0% and NMT 115.0% of the declared units of enzyme activity.*

COUNTRY OF ORIGIN USA

STORAGE/SHELF LIFE/STANDARD PACK SIZE
Product is stable for two years (24 months) if stored at or below 10ºC in sealed poly bags in box drums away from sunlight and high humidity. Product is packed in 25 kilo fiber drums or doul

HANDLING PRECAUTIONS
Avoid the formation of aerosol and dust of the product. Repeated inhalation of enzyme aeroso cause allergic type reactions in sensitized individuals. For detailed information please refer to

Description	Specification	Method
Activity:	NLT 250,000 U/GM	JSPI 1991
Identity:	Seaprosidase™ Powder	FTIR
Moisture:	NMT 10%	Ohaus MB-45
Metals:		
Lead	NMT 5 ppm	SW-846 6020
Microbiological Data:		
TPC	<10,000 CFU/g	Soleris / AOAC 990.12
E.coli	Negative/10g	Soleris / AOAC 991.14
Entero	<100 CFU/g	AOAC 2003.01
Salmonella**	Negative/25g	BAM Ch. 5 / AOAC 2011.03
Yeast	<1,000 CFU/g	Soleris / AOAC 997.02
Mold	<1,000 CFU/g	Soleris / AOAC 997.02
Coliforms	<100 CFU/g	Soleris / AOAC 991.14

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***If Entero test results exceed 100 CFU/g then Salmonella testing is completed.*

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