



NEWGEN BIOTECH

CERTIFICATE OF ANALYSIS

Product Name : Protease			
Other Name : NA		Country of Origin : China	
Strain : <i>Aspergillus oryzae</i>		Manufacture Date : MAY 13, 2019	
Batch Number : SP19050903		Expiration Date : MAY 12, 2021	
Package : 25 kg/bucket		Quantity : 100 kg	
PROTOCOL	SPECIFICATIONS	RESULTS	METHOD
PHYSICAL & CHEMICAL ANALYSIS			
Description	brown powder	Complies	Visual
Odor & Taste	Characteristic odor and taste	Complies	Taste
Moisture	NMT 7%	5.1%	Moisture Analyzer
IDENTIFICATION			
Identifiable Activity	Positive for Protease Activity	Complies	In-house
ACTIVITY			
Protease activity	NLT 500,000 HUT /g	508,270 HUT /g	FCC VII
MICROBIOLOGICAL			
Total Bacteria Count	NMT 3,000 CFU/g	500 CFU/g	FDA BAM Online Ch. 3
Coliform Bacteria (CFU/g)	NMT 30 CFU/g	<10 CFU/g	FDA BAM Online Ch. 4
Molds and Yeasts	NMT 100 CFU/g	<10 CFU/g	FDA BAM Online Ch. 2
E. coli	Absent	Not Detected	FDA BAM Online Ch. 4
Salmonella	Absent	Not Detected	FDA BAM Online Ch. 5
Staphylococcus aureus	Absent	Not Detected	FDA BAM Online Ch. 12
Pseudomonas aeruginosa	Absent	Not Detected	AOAC
HEAVY METALS			
Lead	NMT 3 ppm	0.21 ppm	USP <231>
Mercury	NMT 0.1 ppm	<0.1 ppm	USP <231>
Cadmium	NMT 1 ppm	<1 ppm	USP <231>
Arsenic	NMT 1 ppm	0.1 ppm	USP <231>
Storage	: Store in cool and dry place protected from light, keep barrel close when not in use.		
Conclusion	: Conforms to FCC Standards.		
Shelf Life	: Shelf life under prescribed storage conditions and air-tight packing will be 2 years.		
The product COMPLIES with the above specifications.			
			Approved by <i>RICKY H. ZHU</i> Authorized Signatory

*The above information is a direct translation of the information provided to Newgen Biotech from the manufacturer of this product. This Certificate of Analysis should be used for informational purposes and is not intended as a substitute for strict quality control analysis by the purchaser of this product.