



# NEWGEN BIOTECH

## CERTIFICATE OF ANALYSIS

<b>Product Name</b> : Amylase			
Other Name : NA		Country of Origin : China	
Source : <i>Aspergillus oryzae</i>		Manufacture Date : JUN. 13 2019	
Batch Number : ZJ19061201		Expiration Date : JUN. 12 2021	
Package : 10 kg/bucket		Quantity : 10 kg	
PROTOCOL	SPECIFICATIONS	RESULTS	METHOD
PHYSICAL & CHEMICAL ANALYSIS			
Description	Light yellow powder	Complies	Visual
Odor & Taste	Characteristic odor and taste	Complies	Taste
Moisture	NMT 7%	4.4 %	Moisture Analyzer
IDENTIFICATION			
Identifiable Activity	Positive for Amylase Activity	Complies	In-house
ACTIVITY			
Amylase Activity	NLT 140,000 SKB/g	143,532	In-house
MICROBIOLOGICAL			
Total Bacteria Count	NMT 3,000 CFU/g	<1000	FDA BAM Online Ch. 3
Coliform Bacteria (CFU/g)	NMT 30 CFU/g	<10	FDA BAM Online Ch. 4
Molds and Yeasts	NMT 100 CFU/g	<10	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	0.31	USP <231>
Mercury	NMT 0.1 ppm	<0.1 ppm	USP <231>
Cadmium	NMT 1 ppm	<1 ppm	USP <231>
Arsenic	NMT 1 ppm	0.19	USP <231>
<b>Storage</b>	: Store in cool and dry place protected from light, keep barrel close when not in use.		
<b>Shelf Life</b>	: Shelf life under prescribed storage conditions and air-tight packing will be 2 years.		
<b>The product COMPLIES with the above specifications.</b>			
			<b>Approved by</b>  <i>RICKY H. ZHU</i> <b>Authorized Signatory</b>

\*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.

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