



NEWGEN BIOTECH

CERTIFICATE OF ANALYSIS

Product Name: Cellulase			
Other Name: N/A			
Strain: <i>Trichoderma reesei</i>		Mfg.Date: MAY. 24, 2019	
Batch Number: CE19052301		Exp.Date: MAY. 23, 2021	
Package: 25 kg/bucket		Quantity: /	
PROTOCOL	SPECIFICATIONS	RESULTS	METHOD
PHYSICAL & CHEMICAL ANALYSIS			
Description	Yellow brown powder	Complies	Visual
Odour & Taste	Characteristic odour and taste	Complies	Taste
Moisture	NMT 7%	5.12%	Moisture Analyzer
IDENTIFICATION			
Identifiable activity	Positive for Cellulase Activity	Complies	In-house
ACTIVITY			
Cellulase activity	NLT 200,000 CU/g	200,600 CU/g	FCC VII
MICROBIOLOGICAL			
Total bacteria count	NMT 3000 CFU/g	Complies	FDA BAM Online Ch.3
Coliform bacteria (CFU/g)	NMT 30 CFU/g	Complies	FDA BAM Online Ch.4
Molds and Yeasts	NMT 100 CFU/g	Complies	FDA BAM Online Ch. 2
E.Coli	Absent	Complies	FDA BAM Online Ch.4
Salmonella	Absent	Complies	FDA BAM Online Ch.5
Staphylococcus aureus	Absent	Complies	FDA BAM Online Ch.12
HEAVY METALS			
Lead	NMT 3 ppm	Complies	USP <231>
Mercury	NMT 0.1 ppm	Complies	USP <231>
Cadmium	NMT 1 ppm	Complies	USP <231>
Arsenic	NMT 1 ppm	Complies	USP <231>
Storage: Store in cool and dry place protected from light, keep drum 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 said specifications			
<i>Approved by</i> <i>R. H. JAU</i>			

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