



ChitoLytic

Bruneau Centre for Research and Innovation . Memorial University . 230 Elizabeth Avenue . St. John's, Newfoundland . A1C 5S7 Canada
Ajax . Ontario . L1T 3J1 . Canada
Telephone: 1-438-930-6453 . Email: info@chitolytic.com . Website: www.chitolytic.com . LinkedIn: www.linkedin.com/in/chitolytic-chitosan

CERTIFICATE OF ANALYSIS EXAMPLE

Product Name: Chitin
Grade: Food, Medical Research
Source Material: Shrimp (*Litopenaeus vannamei*)
CAS No.: 1398-61-4
Storage: <25°C, cool dry environment, well-sealed
Shelf Life: 36 months

Lot No.: 0211
Quantity: 100 Kg
Manufacturer Date: April 6, 2020
Testing Date-1: April 7, 2020
Expiry Date: April 5, 2023

Test Item	Specification	Results	Method
Source (<i>Species</i>)	Shrimp (<i>Litopenaeus vannamei</i>)	Conforms	NA
Form	Powder	Conforms	Visual check
Appearance	Odorless, white, off-white color	Conforms	Visual check
Particle Size (Mesh)	>140	Conforms	Sieve analysis
Loss on Drying d(%)	≤15.0	7.88%	105°C until weight is stable
Ash Residue on Ignition (%)	≤2.0	0.38	600°C for 24 hours or until weight is stable
Insoluble (%)	≤2.0	Conforms	
Arsenic (ppm)	<1.0	0.01	IKM 3.14 (ICP-MS)
Lead (ppm)	<1.0	0.04	IKM 3.14 (ICP-MS)

Date: April 7, 2020
Testing Supervisor: Nicole Parks -
Manager Quality Assurance & Control

Signed: _____

