

## Xpert4growth Bvba, Lommel – Belgium

### SPECIFICATION and CERTIFICATE of ANALYSIS

**End use:** as Elicitor following EU563/2014, Basic Substance.

**Country of origin:** India.

**Certification by Official Authorities:** The raw material for the production is derived from animals fit for human consumption. All precautions have been taken to avoid contamination of the product with pathogenic agents during production, handling and packaging.

#### Product Name: CHITOSAN HC75+ (CHITOSAN HYDROCHLORIDE ) (CAS.Nr.70694-72-3)

Contains: 100% <Chitosan ( linear polysaccharide composed of multiple units of 1-4 D Glucosamine and N-acetyl-D-Glucosamine) having CAS no 9012-76-4 treated with (Hydrochloric Acid) HCl>

Document date: 24/08/2017

Batch number: H101

Manufacturing Date: 15/03/2017

Quantity:

100 kg

Expiry Date: 15/03/2019

Tests	Specification	Results
Appearance	Solid flakes or powder/Light brown.	conforms
DDA Degree	75 – 90%	>80%
Moisture	< 12%	11%
Ash content	< 2%	1,4%
pH 10% Solution	1+	1,5
Viscosity 10% Sol.	50– 100 Cps (ford cup#4)	70Cps
Solubility 10% Sol.	>99% soluble	>99,5%
Heavy Metals	< 40 ppm	conforms
Bulk Density	0,17-0,3 gr/cc	0,17 gr/cc
Total Plate Count	<1000 cfu/gr	205 cfu/gr
Yeast & Mold	< 100 cfu/g	<10 cfu/gr