

*Unit 9 Airside, Airport Business Park, Killowen , Waterford, Ireland.*

## CHEMISTRY ANALYSIS REPORT

Test Report Number: 19-05-13815

<i>Date of Sample:</i>	<i>07-May-2019</i>	<i>Test Report Number:</i>	<i>19-05-13815</i>
<i>Date of Receipt:</i>	<i>08-May-2019</i>	<i>Sample Type:</i>	<i>Laminaria Digitata Sample</i>
<i>Date of Report:</i>	<i>13-May-2019</i>	<i>Sample Reference:</i>	<i>Ref. 0319</i>
<i>Laboratory Ref. Number:</i>	<i>19-16015</i>	<i>Sample Presentation:</i>	<i>100gram sample</i>
		<i>Volume of sample :</i>	

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### Microbiological Profile

Parameter/Determinand	Type of Analysis	Units of Measurement	Reported Levels
Staph. aureus	Pour Plate Method	CFU/g.	Absent/g.
Salmonella spp.	Pour Plate Method	CFU/25g.	Absent/25g.
Yeasts/Moulds	Pour Plate Method	CFU/25g.	Absent/25g.
Bacillus cereus	Pour Plate Method	CFU/25g.	Absent/25g.
Camphylobacter spp.	Pour Plate Method	CFU/g.	Absent/g.
Clostridium perfringens	Pour Plate Method	CFU/g.	Absent/g.
Enterobacteriaceae	Pour Plate Method	CFU/g.	Absent/g.
Eschericia Coli	Pour Plate Method	CFU/g.	Absent/g.

### Aflatoxins Analysis

Parameter/Determinand	Type of Analysis	Units of Measurement	Reported Levels
Aflatoxin B1	ELISA Immunoassay	µg/kg ppb.	< 0.001
Aflatoxin B2	ELISA Immunoassay	µg/kg ppb.	< 0.001
Aflatoxin G1	ELISA Immunoassay	µg/kg ppb.	< 0.002
Aflatoxin G2	ELISA Immunoassay	µg/kg ppb.	< 0.002

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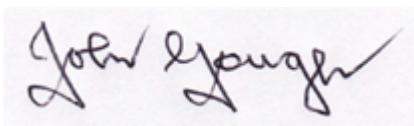
### Heavy Metals Analysis

Parameter/Test	Method of Analysis	Units of Measurement	Reported Results
Arsenic (Total)	ICP/IC-OES	mg/kg.	7.150
Arsenic (Inorganic)	ICP/IC-OES	mg/kg.	1.150
Arsenic (Organic)	ICP/IC-OES	mg/kg.	6.000
Cadmium as Cd.	ICP/IC-OES	mg/kg.	< 0.0005
Mercury as Hg.	Cold Vapour A.A.S.	mg/kg.	< 0.0001
Lead as Pb.	ICP-OES	mg/kg.	< 0.002
Chromium as Cr.	ICP/IC-OES	mg/kg.	< 0.005
Nickel as Ni.	ICP-OES	mg/kg.	< 0.002
Silver as Ag.	ICP-OES	mg/kg.	< 0.0001

### Supplementary Analysis

Parameter/Test	Method of Analysis	Units of Measurement	Reported Results
Crude Ash Content	Muffle Furnace Method	% weight	14.125
Acid Insoluble Ash	Acidic Digestion Method	% weight	0.650
Moisture Content	Drying Oven Gravimetric	% weight	15.170
Total Impurities	Gravimetric Analysis	% weight	0.900
Fluorine as F <sub>2</sub>	Ion Chromatography	mg/kg.	0.234
Iodine as I <sub>2</sub>	Ion Chromatography	mg/kg.	227

Signed : \_\_\_\_\_



Technical Director

Dated : 13<sup>th</sup>. May 2019