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Test Report Number: 24-04-32190

**CHEMICAL/MICROBIOLOGICAL  
ANALYTICAL REPORT**

**Nature of Product: Carrageen Moss sample.**

**Date of Report: 16<sup>th</sup>. May 2024.**

**Sample Reference: Batch Code CM 04/2024**

**Sample Volume: 1 x 500grams.**

**Connemara Organic Seaweeds Limited  
Unit 3  
Rossaveal  
Co. Galway.**

**For the Attention of: Mr. Noel Lee.**

**Contact No. 087 2830809**

**Email: noel@connemaraseaweedcompany.ie.**

**Date of Sample: 16<sup>th</sup>. April 2024.**

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**Part A – Product Safety Microbiological Analysis**

**Sample Reference: Carrageen Moss Batch Code CM04/2024.**

**Method of Analysis: Manual Pour Plate Method**

### Microbiological Profile Analysis

Parameter/Determinand	Type of Analysis	Units of Measurement	Reported Levels
Staph. aureus	Pour Plate Method	CFU/g.	< 20 CFU/g.
Salmonella spp.	Pour Plate Method	CFU/25g.	Absent/25g.
Yeasts/Moulds	Pour Plate Method	CFU/g.	< 100 CFU/g.
Bacillus cereus	Pour Plate Method	CFU/25g.	Absent/25g.
Total Viable Count TVC @ 20°C.	Pour Plate Method	CFU/g.	3,345 CFU/g.
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.
Listeria Monocytogenes	PCR-Immunoassay Method	CFU/g.	Absent/g.
Total Coliforms	Pour Plate Method	CFU/g.	Absent/g.
Pseudomonas aeruginosa	PCR-Immunoassay Method	CFU/g.	Absent/g.

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**Part B – Product Safety Heavy Metals Analysis**

**Sample Reference: Carrageen Moss Batch Code CM04/2024.**

**Method of Analysis: Inductively-Coupled Plasma/Optical Emission Spectroscopy ICP-OES.**

**Heavy Metals Analysis**

Parameter/Test	Method of Analysis	Units of Measurement	Reported Results
Arsenic (Total)	ICP/IC-OES	mg/kg.	3.550
Cadmium as Cd.	ICP/IC-OES	mg/kg.	0.006
Mercury as Hg.	Cold Vapour A.A.S.	mg/kg.	< 0.100
Lead as Pb.	ICP-OES	mg/kg.	< 0.200
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
Iron as Fe.	ICP-OES	mg/kg.	0.110
Magnesium as Mg.	ICP-OES	mg/kg.	13.270

Iodine as I <sub>2</sub>	Ion Chromatography	mg/kg.	65
Molluscs/Crustaceans	High Resol. Microscopy	mg/kg.	< 0.05

**Analytical Assessor**

**John Gough B.Sc. M.Sc.**

\_\_\_\_\_ **Technical Signatory.**

**Dated: 16<sup>th</sup>. May 2024**