



JHG ANALYTICAL SERVICES LIMITED

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Test Report Number: 24-04-32188

**CHEMICAL/MICROBIOLOGICAL
ANALYTICAL REPORT**

Nature of Product: Sweet Kelp Sample.

Date of Report: 16th. May 2024.

Sample Reference: Batch Code SK 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: 16th. April 2024.

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Part A – Product Safety Microbiological Analysis

Sample Reference: Sweet Kelp Batch Code SK04/2024.

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.	4,900 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: Sweet Kelp Batch Code SK04/2024.

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.	16.550
Cadmium as Cd.	ICP/IC-OES	mg/kg.	0.335
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.	0.335
Magnesium as Mg.	ICP-OES	mg/kg.	11.240

Iodine as I ₂	Ion Chromatography	mg/kg.	312
Molluscs/Crustaceans	High Resol. Microscopy	mg/kg.	< 0.05

Analytical Assessor

John Gough B.Sc. M.Sc.

_____ **Technical Signatory.**

Dated: 16th. May 2024