

Role Profile

Company:	Byotrol
Job Title:	Organic/Analytical Chemist – to conduct extractions and analysis of seaweed samples.
Department:	Research & Development
Location:	Thornton Science Park, nr. Chester.
Duration:	Temporary Position with a 1-year contract with review to make permanent.
Responsible to:	Research & Development Director
Responsible for:	<ul style="list-style-type: none"> - Conducting solvent based extractions from Seaweed samples involving rotary evaporation and freeze drying. - Conducting wet chemistry analysis of extracts to evaluate components and their levels. - Conducting stability trials of extracts to assess their longevity and required storage conditions. - Varying extraction conditions and studying the effects on components and their levels. - Varying seaweed samples to assess effects of geographic origin, sample site on plant, age of plant, storage conditions etc. on components and their levels. - Formulating extracts with other components and assessing stability and physiochemical properties. - Writing Scientific Reports on their work. - Maintaining detailed notes in a Laboratory Notebook. - Liaising with external collaborators and internal colleagues at Byotrol as part of an overall Project Team. - Providing creative suggestions and providing insights as to how to progress their work within the areas of their expertise to advance the objectives of the project. - Proposing and setting up new collaborations to follow up and develop the above. - Participate in scale-up trials to translate their laboratory scale work to intermediary and production scale.

Job Purpose

The primary Job Purpose is to produce optimise seaweed extracts to meet the Project Objectives.

Nature & Scope

This role will lead the internally conducted laboratory scale work for the Seaweed Project.

Knowledge/Experience/Technical Skills

Essential

- BSc or equivalent in Chemistry or a closely related discipline to equip them with the scientific skills to competently conduct the work described above (Documented Qualification).
- Minimum 2 years' experience post-BSc in an academic or industrial environment using wet chemistry techniques to prepare, analyse or characterise naturally sourced materials.
- Good working knowledge of Health and Safety rules as they apply to working in a laboratory environment including preparation of COSH and Risk assessments.
- Proven Track record of developing and/or adapting wet chemistry techniques to suit requirements of projects.
- Good communication skills to translate their observations and findings into meaningful insights and actions to non-technical members of a project team.

Desired

- Experience of working with Seaweed, preparation, analysis, and characterisation of seaweed extracts.
- Knowledge and experience of analytical techniques such as nmr, Mass spectroscopy, chromatography, membrane filtration.
- Experience of scaling up extraction of plant-based materials.
- Experience of working in a GLP environment and/or ISO accredited companies/laboratories (cv/interview)
- Project Leadership experience including planning and budget management. Familiarity of using Microsoft Project.