BUSINESS CONSULTANTS

CPL

RESIN-DERIVED BIOACTIVES – FEASIBILITY AND PILOTING STUDIES

Prepared by:

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STRATEGIES TO GROW YOUR BUSINESS

TABLE OF CONTENTS

Resin bioactives include α-amyrin, β-amyrin, α-copaene, β-elemene, spathulenol, platambin, digitoxigenin and gitoxigenin. In this case study, a client asked CPL to look at the feasibility of extracting bioactives from resin using supercritical CO2 extraction (ScCO2).

Through its networks, CPL found and engaged a suitable laboratory partner, and also co-ordinated the laboratory trials on their behalf.

OBJECTIVE

Clients sometimes ask CPL to organise and coordinate laboratory work on their behalf as part of a larger commercialisation project. The objective of this project was to assist a client in investigating the potential to extract bioactives (triterpenes, sesquiterpenes, and others) from tree resins using scCO2 extraction.

METHOD

This project evaluated the suitability of resin as a substrate for scCO2 extraction. CPL identified a suitable laboratory to carry out the scCO2 extraction feasibility and piloting studies for the bioactives. CPL Business Consultants managed and coordinated study.

REPORT

CPL reviewed the experimental results, provided a report on the success of the extraction method and organised logistics to send the resin bioactives extracts produced from the feasibility study to the client for further analysis.

ADDITIONAL PROJECTS

Have a look at our PowerPoint Introduction and Brochure describing deliverables, differentiators and case studies. Eight case studies can also be reviewed.