



PROTEIN RESEARCH

Pilot Cost Summary

Client: Ritual Mushrooms

Products: Chaga Mushroom, Lions Mane Mushroom, Reishi Mushroom

DISCLAIMER: Pilot process is used to allow Protein Research to assess optimal batch sizing, powder flow, packaging efficiency, manufacturability, and other key components of product design and assembly. Information gathered during piloting will be used to optimize Master Manufacturing Records and establish batch sizing prior to acceptance of full-scale production PO. Protein Research will do all within our capabilities to achieve a successful pilot. However, as these formulas have never been produced, we cannot guarantee product will meet 100% of target specifications in initial pilot.

- Pilots
 - Pilot #1
 - Chaga Mushroom
 - Aprox 127.08 Kg pilot
 - Includes
 - New raw material screening against COA
 - Raw materials
 - Pre-weigh & Blend
 - HM testing (blended product)
 - Lead time: 8 weeks
 - Pilot #2
 - Lions Mane Mushroom
 - Aprox 127.08 Kg pilot
 - Includes
 - New raw material screening against COA
 - Raw materials
 - Pre-weigh & Blend
 - HM testing (blended product)
 - Lead time: 8 weeks
 - Pilot #3
 - Reishi Mushroom
 - Aprox 127.08 Kg pilot
 - Includes
 - New raw material screening against COA
 - Raw materials
 - Pre-weigh & Blend
 - HM testing (blended product)
 - Lead time: 8 weeks



PROTEIN RESEARCH

- Line Trial #1
 - Chaga Mushroom
 - MAX yield – 33,600 stick packs
 - EST actual yield – 25,200 stick packs
 - Micro testing, analytical testing (finished product)
 - Lead time: 10 weeks
- Line Trial #2
 - Chaga Mushroom
 - MAX yield – 150 bottles
 - EST actual yield – 112 bottles
 - Micro testing, analytical testing (finished product)
 - Lead time: 10 weeks
- Line Trial #3
 - Lions Mane Mushroom
 - MAX yield – 33,600 stick packs
 - EST actual yield – 25,200 stick packs
 - Micro testing, analytical testing (finished product)
 - Lead time: 10 weeks
- Line Trial #4
 - Lions Mane Mushroom
 - MAX yield – 150 bottles
 - EST actual yield – 112 bottles
 - Micro testing, analytical testing (finished product)
 - Lead time: 10 weeks
- Line Trial #5
 - Reishi Mushroom
 - MAX yield – 33,600 stick packs
 - EST actual yield – 25,200 stick packs
 - Micro testing, analytical testing (finished product)
 - Lead time: 10 weeks
- Line Trial #6
 - Reishi Mushroom
 - MAX yield – 150 bottles
 - EST actual yield – 112 bottles
 - Micro testing, analytical testing (finished product)
 - Lead time: 10 weeks
- Total Cost \$32,761.03



"Protein Research"
Protein Research Sales Signature

08.20.20
Date

"Warren Spence"
Client Signature

08.20.20
Date

This document's purpose is only to provide estimated piloting fees and is based on the information known at the time the document is prepared. This document is not intended to be legal documentation provided as an official part of a transaction. Variations such as final invoices costs and date of completion can alter these estimate amounts significantly.