

PeaPod - Testing Plan

NASA/CSA Deep Space Food Challenge Phase 2

Jayden Lefebvre - Founder, Lead Engineer

Port Hope, ON, Canada

Nathan Chareunsouk - Design Lead

Toronto, ON, Canada

Navin Vanderwert - Design Engineer

BASc Engineering Science (Anticipated 2024), University of Toronto, Toronto, ON, Canada

Jonas Marshall - Electronics Engineer

BASc Computer Engineering (Anticipated 2024), Queen's University, Kingston, ON, Canada

Open-source contributions made by:

University of Toronto Agritech

Primary Contact Email: contact@peapodtech.com

Revision 0.1

PeaPod Technologies Inc.

January 9th, 2022

Contents

| | | |
|----------|--|----------|
| 1 | Testing Procedure | 2 |
| 1.1 | Acceptability | 2 |
| 1.2 | Safety of Process | 2 |
| 1.3 | Safety of Outputs | 2 |
| 1.4 | Resource Outputs | 2 |
| 1.5 | Reliability and Stability of Outputs | 2 |
| 2 | Sample Collection Procedure and Schedule | 2 |
| 3 | Hazard Analysis and Critical Control Point (HACCP) Plan | 2 |
| 3.1 | Food Production System Description | 2 |
| 3.2 | Critical Points | 2 |
| 3.2.1 | Critical Point A | 2 |
| 3.2.2 | Critical Point | 2 |
| 3.3 | Standard Test Record | 2 |
| 3.3.1 | Purpose and Summary | 2 |
| 3.3.2 | Safety and Quality | 2 |
| 3.3.3 | Test Processes | 2 |
| 3.3.4 | Closeout | 2 |

1 Testing Procedure

1.1 Acceptability

1.2 Safety of Process

1.3 Safety of Outputs

1.4 Resource Outputs

1.5 Reliability and Stability of Outputs

2 Sample Collection Procedure and Schedule

3 Hazard Analysis and Critical Control Point (HACCP) Plan

3.1 Food Production System Description

3.2 Critical Points

3.2.1 Critical Point A

Hazard Description

Critical Limits

Monitoring Procedures

Deviation Procedures

Associated Documents

3.2.2 Critical Point ...

3.3 Standard Test Record

3.3.1 Purpose and Summary

3.3.2 Safety and Quality

3.3.3 Test Processes

3.3.4 Closeout

References