

Verification and Validation Report: Measuring Microstructure Changes During Thermal Treatment

Team #30, ReSprint

Edwin Do

Joseph Braun

Timothy Chen

Abdul Nour Seddiki

Tyler Magarelli

March 8, 2023

1 Revision History

Date	Version	Notes
Date 1	1.0	Notes
Date 2	1.1	Notes

2 Symbols, Abbreviations and Acronyms

symbol	description
T	Test

[symbols, abbreviations or acronyms – you can reference the SRS tables if needed —SS]

Contents

1	Revision History	i
2	Symbols, Abbreviations and Acronyms	ii
3	Functional Requirements Evaluation	1
4	Nonfunctional Requirements Evaluation	1
4.1	Usability	1
4.2	Performance	1
4.3	etc.	1
5	Comparison to Existing Implementation	1
6	Unit Testing	2
7	Changes Due to Testing	2
8	Automated Testing	2
9	Trace to Requirements	2
10	Trace to Modules	2
11	Code Coverage Metrics	2

List of Tables

List of Figures

This document ...

3 Functional Requirements Evaluation

4 Nonfunctional Requirements Evaluation

4.1 Usability

Usability Tests				
Requirement	Related Unit Tests	Description	Expected Result	Result
NF-UT1	AF	Entering invalid and edge case parameters as inputs	User will be notified and application does not crash	PASS
NF-UT2	AX	ALA	248	
NF-UT3	AL	ALB	008	
NF-UT4	DZ	DZA	012	
NF-UT5	AS	ASM	016	

4.2 Performance

4.3 etc.

5 Comparison to Existing Implementation

This section will not be appropriate for every project.

- 6 Unit Testing
 - 7 Changes Due to Testing
 - 8 Automated Testing
 - 9 Trace to Requirements
 - 10 Trace to Modules
 - 11 Code Coverage Metrics
- References

Appendix — Reflection

The information in this section will be used to evaluate the team members on the graduate attribute of Lifelong Learning. Please answer the following questions:

- 1.
- 2.