APPENDIX A3.2.1-7

TOBACCO STICK CQAS AND CQMAS

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PRODUCT PLATFORM: P1
PRODUCT GENERATION: THS 2.2
PRODUCT TYPE: THS HEAT STICK C3.2 (NGP CONSUMABLE IN PDIMS)

LIST OF PRODUCT CQAs AND CQMAs

Revision History

Version N°	Author	Description of change (including reason for change)	Type of change
1.0	Cedric Meyer	Original Version	1
2.0	Cedric Meyer	(b) (4)	1
3.0	Cedric Meyer	(b) (4)	1
4.0	Cedric Meyer	(b) (4)	1
4.0SV	Cedric Meyer	Submission Version (Updated references)	2

(b) (4)

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1 Purpose

The purpose of this document is to list the Critical Quality Attributes (CQAs) for P1 THS 2.2 Final Product as well as Critical Quality Material Attributes (CQMAs) with the justification for criticality for THS Heat Stick C3.

2 Introduction & Scope

P1 THS 2.2 has 3 functionally related products:

- A Holder into which THS Heat Stick is inserted.
- A Charger which is used to recharge the Holder after each use.
- A THS Heat Stick, which is constituted of the following main components:
    - Tobacco Plug
    - Hollow Acetate Tube (HAT)
    - Crimped Filter made of PLA Filtration Material
    - Mouth Piece Filter
    - Outer and Tipping Paper

The combination of the Holder and THS Heat Stick is creating a Final Product, which produces aerosol. This document provides a list of the CQAs for the P1 THS 2.2 Final Product as well as a list of CQMAs for the THS Heat Stick C3, including its Tobacco and Non-Tobacco Materials.

This list is valid for both Regular and Menthol versions of the reference THS Heat Stick C3.

This document does not provide the CQMAs for the Holder.

3 List of Identified Critical Quality Attributes

The following document: "Rational for the selection of reduced list of smoke constituents as CQA" [1] has defined an initial list of CQAs and the rational for their selection. (b) (4) [redacted] . All CQAs are listed in Table 1.

Table 1 List of Critical Quality Attributes

Ref.	Quality Attribute	Justification for Criticality
(b) (4) [redacted]		

Ref.	Quality Attribute	Justification for Criticality
(b) (4)		

4 List of identified Critical Quality Material Attributes

The identified CQMAs are listed in Table 2 with a respective justification for criticality.

This list and criticality justification for each NTM CQMA have been presented to the Technical Design Review (TDR) and approved. This list and criticality justification for each CQMA have been added to the reference product specifications in PDIMS using a design change request.

Table 2 List of Critical Quality Material Attributes

Ref.	Product Component	Critical Quality Material Attribute	Justification for Criticality
(b) (4)			

Ref.	Product Component	Critical Quality Material Attribute	Justification for Criticality
(b) (4)			

Ref.	Product Component	Critical Quality Material Attribute	Justification for Criticality
(b) (4)			

5 Change Management Log

Version 1.0: Original version.

Version 2.0:

(b) (4)

Version 3.0:

- (b) (4)

(b) (4)

(b) (4)

(b) (4)

- (b) (4)

(b) (4)

6 References

[1] Appendix A3.2.2-14

7 Review and approval

This document has been reviewed and approved by:

Name	Function	Justification	Date (dd-mm-yyyy)	Signature
Meyer, Cédric	Manager Product Design	Signed as Author	14-Jul-2016	
Erdogan, Yaprak	QA Engineer	Signed as QA Reviewer	14-Jul-2016	
Bonnely, Samuel	Director Product&Process Development HTP	Signed as Approver	14-Jul-2016	