



EVALUATIONS AND REGISTRATION DIVISION

QUALITY INFORMATION SUMMARY (QIS)

FOREWORD

The QIS template should be completed to provide a condensed summary of the key quality information for product dossiers (PDs) containing APIs of synthetic or semi-synthetic origin and their corresponding products that are filed with the MCAZ.

The QIS constitutes part of the registration and post registration PD. The QIS provides an accurate record of technical data in the PD at the time of registration and thereafter serves as an official reference document during the course of GMP inspections, variation assessments and reregistration assessments as performed by MCAZ. The QIS is a condensed version of the Quality Overall Summary – Product Dossier (QOS-PD) and represents the final, agreed upon key information from the PD review (inter alia identification of the manufacturer(s), API/FPP specifications, stability conclusions and relevant commitments).

The QIS template is structured to permit the rapid assembly of the QIS by copying requisite information from the corresponding portions of the QOS-PD filed with the original PD. It is acknowledged that the numbering of the sections may not be entirely sequential. Those sections not considered necessary to be included in the QIS have been removed (e.g. *2.3.S.5 Reference Standards or Materials*) and the remaining sections have retained their numbering to be consistent with the original PD.

For original PDs, the QIS should be provided in Word format at the time of PD submission. The QIS should be revised and submitted with the change history (see table at the end of the template) each time additional data is provided during the assessment process. If no revision is necessary due to no change in the information, a statement should be made to this effect in the covering letter. For variations and reregistration dossiers, the QIS should be completed *in its entirety* (regardless of the proposed change), it should include information on *all strengths*, with any changes highlighted and it should be provided *at the time of filing*.

When completing the QIS template, this covering foreword should be deleted.

QUALITY INFORMATION SUMMARY (QIS)

INTRODUCTION

(a) Summary of product information:

Non-proprietary name(s) of the finished pharmaceutical product(s) (FPP)	
Proprietary name(s) of the finished pharmaceutical product(s) (FPP)	
International non-proprietary name(s) of the active pharmaceutical ingredient(s) (API(s)), including form (salt, hydrate, polymorph)	
Applicant name and address	
Dosage form	
Reference Number(s)	
Strength(s)	
Route of administration	
Proposed indication(s)	
Primary contact person responsible for this application¹	Title: First name: Family Name:
Contact person's job title	
Contact person's postal address	
Unit	
Building/PO Box number	
Road/Street	
Plant/Zone	
Village/suburb	
Town/City	
District and Mandal	
Province/State	
Postal code	
Country	
Contact person's email address	
Contact person's phone number	

(b) Administrative Summary:

¹ Please note that the contact listed in this form will be the primary contact for email and mail communication for this specific application.

Applicant's date of preparation or revision of the QIS	
Internal version and/or date of acceptance	<i>(MCAZ use only)</i>

Related dossiers (e.g. FPP(s) with the same API(s) submitted to the MCAZ by the applicant):

Application/ File number	Prequalified (Y/N)	API, strength, dosage form (eg. Abacavir (as sulphate) 300 mg tablets)	API manufacturer (including address if same supplier as current dossier)

2.3.S DRUG SUBSTANCE (or ACTIVE PHARMACEUTICAL INGREDIENT (API)) (NAME, MANUFACTURER)

Indicate which option applies for the submission of API information: <check one only>

Name of API:	
Name of API manufacturer:	
<input type="checkbox"/>	Confirmation of API prequalification document
<input type="checkbox"/>	Certificate of suitability to the European Pharmacopoeia (CEP)
<input type="checkbox"/>	Active pharmaceutical ingredient master file (APIMF) procedure:
<input type="checkbox"/>	Full details in the PD Document version number/identifier of current module 3.2.S: _____

2.3.S.2 Manufacture (name, manufacturer)

2.3.S.2.1 Manufacturer(s) (name, manufacturer)

(a) Name, address and responsibility (e.g. fabrication, packaging, labelling, testing, storage) of each manufacturer, including contractors and each proposed production site or facility involved in these activities:

Name and address (including block(s)/unit(s))	Responsibility	API-PQ number /CEP number (if applicable)	Letter of access provided?

2.3.S.2.3 Control of Materials (name, manufacturer) – for API option 4 only

(a) **Name of starting material:**

(b) Name and manufacturing site address of starting material manufacturer(s):

2.3.S.4 Control of the API (name, manufacturer)

2.3.S.4.1 Specification (name, manufacturer)

(a) API specifications of the FPP manufacturer:

Standard (e.g. Ph.Int., Ph.Eur., BP, USP, in-house)		
Specification reference number and version		
Test	Acceptance criteria	Analytical procedure (Type/Source/Version)
Description		
Identification		
Impurities		
Assay		
etc.		

2.3.S.6 Container Closure System (name, manufacturer)

(a) Description of the container closure system(s) for the storage and shipment of the API:

2.3.S.7 Stability (name, manufacturer)

2.3.S.7.1 Stability Summary and Conclusions (name, manufacturer)

(c) Proposed storage conditions and re-test period (or shelf-life, as appropriate):

Container closure system	Storage statement	Re-test period*

* indicate if a shelf-life is proposed in lieu of a re-test period (e.g. in the case of labile APIs)

2.3.P DRUG PRODUCT (or FINISHED PHARMACEUTICAL PRODUCT (FPP))

2.3.P.1 Description and Composition of the FPP

(a) Description of the FPP (in signed specifications):

(b) Composition of the FPP:

(i) Composition, i.e. list of all components of the FPP and their amounts on a per unit basis and percentage basis (including individual components of mixtures prepared in-house (e.g. coatings) and overages, if any):

Component and quality standard (and grade, if applicable)	Function	Strength (label claim)					
		Quant. per unit or per mL	%	Quant. per unit or per mL	%	Quantity per unit or per mL	%
<complete with appropriate titles e.g. Core tablet (Layer 1, Layer 2, etc. as applicable), Contents of capsule, Powder for injection>							
Subtotal 1							
<complete with appropriate title e.g. Film-coating >							
Subtotal 2							
Total							

(ii) **Composition of all *components purchased as mixtures* (e.g. colourants, coatings, capsule shells, imprinting inks):**

(c) Description of accompanying reconstitution diluent(s), if applicable:

2.3.P.2.2.1 Formulation Development

(b) **Information on primary (submission, registration, exhibit) batches including comparative bioavailability or biowaiver, stability, commercial:**

(i) **Summary of batch numbers:**

Batch number(s) of the FPPs used in			
Bioequivalence or biowaiver	<e.g. bioequivalence batch A12345> <e.g. biowaiver batch X12345>		
For proportional strength biowaiver: the bioequivalence batch of the reference strength			
Dissolution profile studies			
Stability studies (primary batches)			
<packaging configuration I>			
< packaging configuration II>			
<Add/delete as many rows as necessary>			
Stability studies (production batches)			
< packaging configuration I>			
< packaging configuration II>			
(Add/delete as many rows as necessary)			
Validation studies (primary batches)			
< packaging configuration I>			
< packaging configuration II>			
(Add/delete as many rows as necessary)			
Validation studies (at least the first three consecutive production batches) or code(s)/version(s) for process validation protocol(s)			

Summary of formulations and discussion of any differences:

Component and quality standard (e.g. NF, BP, Ph.Eur, in-house)	Relevant batches							
	Comparative bioavailability or biowaiver		Stability		Process validation		Commercial (2.3.P.1)	
	<Batch nos. and sizes>		<Batch nos. and sizes>		<Batch nos. and sizes>		<Batch nos. and sizes>	
	Theor. quantity per batch	%	Theor. quantity per batch	%	Theor. quantity per batch	%	Theor. quantity per batch	%
<complete with appropriate titles e.g. Core tablet (Layer 1, Layer 2, etc. as applicable), Contents of capsule, Powder for injection>								

Component and quality standard (e.g. NF, BP, Ph.Eur, in-house)	Relevant batches							
	Comparative bioavailability or biowaiver		Stability		Process validation		Commercial (2.3.P.1)	
	<Batch nos. and sizes>		<Batch nos. and sizes>		<Batch nos. and sizes>		<Batch nos. and sizes>	
	Theor. quantity per batch	%	Theor. quantity per batch	%	Theor. quantity per batch	%	Theor. quantity per batch	%
Subtotal 1								
<complete with appropriate title e.g. Film-coating >								
Subtotal 2								
Total								

2.3.P.3 Manufacture

2.3.P.3.1 Manufacturer(s)

- (a) Name, address and responsibility (e.g. fabrication, packaging, labelling, testing) of each manufacturer, including contractors and each proposed production site or facility involved in manufacturing and testing:

Name and address (include block(s)/unit(s))	Responsibility

2.3.P.3.2 Batch Formula

Largest intended commercial batch size:

Other intended commercial batch sizes:

<information on all intended commercial batch sizes should be in the QIS>

- (a) List of all components of the FPP to be used in the manufacturing process and their amounts on a per batch basis (including components of mixtures prepared in-house (e.g. coatings) and overages, if any):

Strength (label claim)			
Master production document reference number and/or version			
Proposed commercial batch size(s) (e.g. number of dosage units)			
Component and quality standard (and grade, if applicable)	Quantity per batch (e.g. kg/batch)	Quantity per batch (e.g. kg/batch)	Quantity per batch (e.g. kg/batch)
<complete with appropriate titles e.g. Core tablet (Layer 1, Layer 2, etc. as applicable), Contents of capsule, Powder for injection>			
Subtotal 1			
<complete with appropriate title e.g. Film-coating >			
Subtotal 2			
Total			

2.3.P.3.3 Description of Manufacturing Process and Process Controls

- (a) **Flow diagram of the manufacturing process:**
- (b) **Narrative description of the manufacturing process, including equipment type and working capacity, process parameters:**

2.3.P.3.4 Controls of Critical Steps and Intermediates

- (a) **Summary of controls performed at the critical steps of the manufacturing process and on isolated intermediates:**

Step (e.g. granulation, compression, coating)	Controls (parameters/limits/frequency of testing)

Proposed/validated holding periods for intermediates (including bulk product):

2.3.P.3.5 Process Validation and/or Evaluation

- (a) **Summary of the process validation and/or evaluation studies conducted and/or a summary of the proposed validation protocol for the critical steps or critical assays used in the manufacturing process (e.g. protocol number, parameters, results):**

Document code(s) for the process validation protocol(s) and/or report(s) (including reference number/version/date):

2.3.P.5 Control of FPP

2.3.P.5.1 Specification(s)

(a) Specification(s) for the FPP:

Standard (e.g. Ph.Int., BP, USP, in-house)			
Specification reference number and version			
Test	Acceptance criteria (release)	Acceptance criteria (shelf-life)	Analytical procedure (type/source/version)
Description			
Identification			
Impurities			
Assay			
etc.			

2.3.P.7 Container Closure System

(a) Description of the container closure systems, including unit count or fill size, container size or volume:

Description (including materials of construction)	Strength	Unit count or fill size (e.g. 60s, 100s etc.)	Container size (e.g. 5 ml, 100 ml etc.)

2.3.P.8 Stability

2.3.P.8.1 Stability Summary and Conclusions

(c) Proposed storage statement and shelf-life (and in-use storage conditions and in-use period, if applicable):

Container closure system	Storage statement	Shelf-life

2.3.P.8.2 Post-approval Stability Protocol and Stability Commitment

- (a) Stability protocol for Primary stability batches (e.g. storage conditions (including tolerances), batch numbers and batch sizes, tests and acceptance criteria, testing frequency, container closure system(s)):

Parameter	Details	
Storage condition(s) (°C, % RH)		
Batch number(s) / batch size(s)	<primary batches>	
Tests and acceptance criteria	Description	
	Moisture	
	Impurities	
	Assay	
	etc.	
Testing frequency		
Container closure system(s)		

- (b) Stability protocol for Commitment batches (e.g. storage conditions (including tolerances), batch numbers (if known) and batch sizes, tests and acceptance criteria, testing frequency, container closure system(s)):

Parameter	Details	
Storage condition(s) (°C, % RH)		
Batch number(s) / batch size(s)	<not less than three production batches in each container closure system>	
Tests and acceptance criteria	Description	
	Moisture	
	Impurities	
	Assay	
	etc.	
Testing frequency		
Container closure system(s)		

- (c) Stability protocol for Ongoing Batches (e.g. storage conditions (including tolerances), number of batches per strength and batch sizes, tests and acceptance criteria, testing frequency, container closure system(s)):

Parameter	Details	
Storage condition(s) (°C, % RH)		
Batch size(s), annual allocation	<at least one production batch per year (unless none is produced that year) in each container closure system >	
Tests and acceptance criteria	Description	
	Moisture	
	Impurities	

Parameter	Details	
	Assay	
	etc.	
Testing frequency		
Container closure system(s)		

2.3.P.8.3 Stability Data

- (c) **Bracketing and matrixing design for commitment and/or continuing (i.e. ongoing) batches, if applicable:**

WRITTEN COMMITMENTS OF THE MANUFACTURER – FOR MCAZ USE

Important note: The product information is an essential part of the medicinal product. The SmPC and PIL published by the MCAZ have been quality assured by MCAZ experts and reflect the situation at the time of publication. These texts, i.e. the SmPC and the PIL are approved by MCAZ and should be adhered to. Generally, a deviation from the registered product information (especially as to contents) means the product can no longer be considered to be registered by MCAZ

API

If applicable (primary stability study commitment):

The Applicant (or API manufacturer) provided a written commitment (dated day month year) to continue long-term testing of <INN of API> for a period of time sufficient to cover the whole provisional re-test period (period ending month/year) and to report any significant changes or out-of-specification results immediately to MCAZ for the following batches :

<Batch numbers, manufacturing dates, batch size, primary packing materials>

If applicable (commitment stability studies):

Since stability data on three production scale batches were not provided with the application, the applicant provided a written commitment (dated day month year) that the remaining number of production scale batches will be put on long-term stability testing. Out-of-specification results, significant changes or significant atypical trends will be investigated. Any confirmed significant change or out-of-specification result will be reported immediately to MCAZ. The approved stability protocol will be used for commitment batches.

API option 2 – CEP

The Applicant provided a written commitment (dated day month year) to inform MCAZ in the event that the CEP is revised or withdrawn, and that revisions to the CEP will be handled as per the MCAZ Variations Guideline. Note that revisions or withdrawal will require additional consideration of the API data requirements to support the dossier.

API option 3 – full details in the PD (ongoing stability study commitment)

The Applicant provided a written commitment (dated day month year) regarding ongoing stability studies. Unless otherwise justified, at least one batch per year of the product will be included in the stability programme (unless none is produced during that year). The stability protocol will be that which was approved for primary batches. Out-of-specification results, significant changes or significant atypical trends will be investigated. Any confirmed significant change or out-of-specification result will be reported immediately to MCAZ. The possible impact on batches on the market will be considered in consultation with MCAZ inspectors.

FPP**If applicable (primary stability study commitment):**

The Applicant provided a written commitment (dated day month year) to continue long-term testing of < FPP application/ file number, trade name (INN of API), strength, pharmaceutical form> for a period of time sufficient to cover the whole provisional shelf-life (period ending month/year) and to report any out-of-specification results or significant changes immediately to MCAZ for the following batches :

<Batch numbers, manufacturing dates, batch size, primary packing materials >

If applicable (commitment stability studies):

Since stability data on three production scale batches was not provided with the application, the Applicant provided a written commitment (dated day month year) to put the remaining number <e.g. additional two> production scale batches of < FPP reference number, trade name (INN of API), strength, pharmaceutical form, primary packing material> on long-term stability testing. Out-of-specification results, significant changes or significant atypical trends will be investigated. Any confirmed significant change or out-of-specification result will be reported immediately to MCAZ. The approved stability protocol will be used for commitment batches.

If applicable (when the proposed largest commercial batch size is 200 000 units (x units) or less)

The Applicant provided a written commitment (dated day month year) to place the first three batches of any production size larger than x units on stability. The stability protocol will be that which was approved for primary batches. Out-of-specification results, significant changes or significant atypical trends will be investigated. Any confirmed significant change or out-of-specification result will be reported immediately to MCAZ.

Ongoing stability study commitment

The Applicant provided a written commitment (dated day month year) regarding ongoing stability studies. Unless otherwise justified, at least one batch per year of the product manufactured in every primary packaging type will be included in the stability programme (unless none is produced during that year). The stability protocol will be that which was approved for primary batches. Out-of-specification results, significant changes or significant atypical trends will be investigated. Any confirmed significant change or out-of-specification result will be reported immediately to MCAZ. The possible impact on batches on the market will be considered in consultation with MCAZ inspectors.

If applicable (validation of production batches)

Validation data on production scale batches of not less than three consecutive batches of <FPP reference number, trade name (INN of API), strength, pharmaceutical form, primary packing material> was not

provided with the application. Therefore, the Applicant provided a written commitment (dated day month year) that three consecutive production batches would be prospectively validated and a validation report—in accordance with the details of the validation protocol provided in the dossier— would be made available as soon as possible for evaluation by assessors or for verification by the MCAZ inspection team.

Change History

Date of preparation of original QIS:

Date of revised version	Section (e.g. S.2.1)	Revision