



Guidelines for the Quality Part Module 3 Part Finished product

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Drug information: Drug Name dosage form & Strength Manufacturer: Applicant: **ICH: Quality Guidelines:** Stability Q1A (R2)-Q1B-Q1C-Q1D-Q1E Analytical Validation: Q2 (R1) Impurities: Q3A (R2)-Q3B (R2)-Q3C (R4) Pharmacopoeias: Q4B with annexes 1 to 12. Quality of Biotechnological products Q5A (R1)-Q5B -Q5C-Q5D-Q5E Specifications: Q6A-Q6B Good Manufacturing Practice: Q7 Pharmaceutical Development: Q8 (R2) Quality Risk Management: Q9 Pharmaceutical Quality System: Q10 Development and manufacture of drug substances: Q11 Lifecycle management: Q12

Table:

Section	<u>Module 3</u> <u>Quality</u>	<u>MAQ_R1</u> Guide for quality submission	<u>ICH</u>	Product evaluation	Comments
3.2.P 3.2.P.1	Drug Product: Description and Composition of the Drug Product.	 A description of the drug product and its composition should be provided. The information provided should include: Description of the dosage form; Composition, Function of the components, and a reference to their quality standards Type of container and closure used for the dosage form 	ICH Q6A ICH Q6B	The composition (e.g., components of the capsule shell, components of ink <i>used on the drug product</i>) should also be included. If the diluent is co-packaged with the drug product, the information on the diluent should be placed in a separate Drug Product section. This mean that we must have a module 3 part P for the solvent The use of an over-fill should be indicated.	
3.2.P.2	Pharmaceutic al development	The Pharmaceutical Development section should contain information on the	Q6A and Q6B And Q8(R2)		

		development studies conducted to
		establish that the dosage form,
		the formulation, manufacturing
		process, container closure system,
		microbiological attributes and
		usage instructions are
		appropriate for the purpose
		specified in the application
		The studies described here are
		distinguished from routine control tests
		conducted according to specifications.
		Additionally, this section should
		identify and describe the formulation
		and process attributes (critical
		parameters) that can influence batch
		reproducibility, product performance
		and drug product quality . Supportive
		data and results from specific studies
		or published literature can be included
		within or attached to the
		Pharmaceutical Development section.
		Additional supportive data can be
		referenced to the relevant nonclinical
		or clinical sections of the application.
3.2.P.2.1	Components	
	of the Drug	

	Product				
3.2.P.2.1.1 3.2.P.2.1.2	Drug Substance.	The compatibility of the drug substance with excipients listed in 3.2.P.1 should be discussed. Additionally, key physicochemical characteristics (e.g., water content, solubility, particle size distribution, polymorphic or solid state form) of the drug substance that can influence the performance of the drug product should be discussed. For combination products, the compatibility of drug substances with each other should be discussed. The choice of excipients listed in 3.2.P.1, their concentration, their characteristics that can influence the drug product performance should be			A compatibility studies must be performed.
	D. D. L.	discussed relative to their respective functions.			
3.2.P.2.2	Drug Product	A hairf manage describing (h	O8 (D2)		
3.2.P.2.2.1	Formulation Development.	A brief summary describing the development of the drug product should be provided, taking into consideration the proposed route of administration and usage. The differences between clinical formulations and the formulation (i.e.	Q8(R2)	This section describes how the final formulation was arrived at. It should give a brief history of the development including the failures along the way. We must try to establish that there is a logical and scientific basis for choosing the proposed formulation from preformulation to formulation to pilot to production.	Some slides to illustrate:

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				1
3.2.P.2.2.2	Overages.	Any overages in the formulation(s) described in 3.2.P.1 should be justified	 Ideally for curves to be similar: f1 should be close to 0, and f2 should be close to 100 Practical considerations: f1 between 0 to 15 and f2 between 50 to 100 Or A summary of dissolution development can be included in 3.2.P.2.2.3, with cross-reference to studies in Module 5, as considered appropriate. Only in two cases: To compensate losses 	
			-For vitamin preparations.	
3.2.P.2.2.3	Physiochemic al & biological properties.	Parameters relevant to the performance of the drug product, such as pH, ionic strength, dissolution, redispersion , reconstitution, particle size distribution, particle size of the lend/granules flow , properties which might affect capsule filling or tableting , aggregation, polymorphism, rheological properties, biological	A summary of dissolution development should be included in 3.2.P.2.2.3, with cross-reference to studies in Module 5, as considered appropriate.	

		activity or potency, and/or immunological activity, should be		
		addressed		
3.2.P.2.3	Manufacturing	The selection and optimization of		
	process	the manufacturing process	The progress from preformulation to	
	development.	described in 3.2.P.3.3, in	formulation to pilot to production scale batches should be shown to be logical reasoned and	
		particular its critical aspects,	continuous.	
		should be explained. Identify		
		critical steps. Identify key		
		validation parameters in term of		
		mixing times, drying times and		
		temperature Where relevant, the		
		method of sterilization should be		
		explained and justified.		
		Differences between the		
		manufacturing process(es) used to		
		produce pivotal clinical batches and		
		the process described in 3.2.P.3.3 that		
		can influence the performance of the		
		product should be discussed.		
3.2.P.2.4	Container	The suitability of the container closure		Connections with stability 3.2.P.8
	closure	system (described in 3.2.P.7) used for		
	system.	the storage, transportation (shipping)		
		and use of the drug product should be		
		discussed. This discussion should		
		consider, e.g., choice of materials,		
		protection from moisture and light,		
		compatibility of the materials of		

3.2.P.2.5	Microbiologic al attributes.	construction with the dosage form (including sorption to container and leaching) safety of materials of construction, and performance (such as reproducibility of the dose delivery from the device when presented as part of the drug product). Where appropriate, the microbiological attributes of the dosage form should be discussed, including, for example, the rationale for not performing microbial limits testing for non-sterile products and the selection and effectiveness of preservative systems in products containing antimicrobial preservatives. For sterile products, the integrity of the container closure system to prevent microbial contamination should be	Q4B ANNEX 4A(R1) Q4B ANNEX 4B(R1) Q4B ANNEX 4C(R1)		Connections with stability 3.2.P.8
3.2.P.2.6 3.2.P.3	Compatibility.	addressed. The compatibility of the drug product with reconstitution diluent(s) or dosage devices (e.g., precipitation of drug substance in solution, sorption on injection vessels, stability) should be addressed to provide appropriate and supportive information for the labeling.		There should be a separate Drug Product (Diluent) section for co-packaged diluents. Choice and development of co-packaged diluents should be included. For parenteral product in powder (lyophilized , for example), the stability data , after dilution or reconstitution, must be provided at room temperature and in the fridge.	

3.2.P.3.1	Manufacturer(The name, address, and responsibility		
	s) .	of each manufacturer, including		
		contractors, and each proposed		
		production site or facility involved in		
		manufacturing and testing should be		
		provided.		
3.2.P.3.2	Batch	A batch formula should be provided	Q8(R2)	The production batch size must be
	Formula.	that includes a list of all components of		provided.
		the dosage form to be used in the		
		manufacturing process, their amounts		
		on a per batch basis, including		
		overages, and a reference to their		
		quality standards.		
3.2.P.3.3	Description of	A flow diagram should be	Q6B	
	Manufacturing	presented giving the steps of the	Q8(R2)	
	Process and	process and showing where		
	Process	materials enter the process. The		
	Controls	critical steps and points at which		
		process controls, intermediate		
		tests or final product controls are		
		conducted should be identified.		
		A narrative description of the		
		manufacturing process, including		
		packaging that represents the		
		sequence of steps undertaken and		
		the scale of production should		
		also be provided. Novel processes or		

	technologies and packaging operations that directly affect product quality should be described with a greater		
	level of detail. Equipment should, at least, be identified by type (e.g., tumble blender, in-line homogenizer) and working capacity, where relevant. Steps in the process should have the appropriate process parameters identified, such as time, temperature, or pH Associated numeric values can be presented as an expected range. Numeric ranges for critical steps should be justified in Section 3.2.P.3.4. In certain cases, environmental conditions (e.g., low humidity for an effervescent product) should be stated. Proposals for the reprocessing of materials should be justified. Any data to support this justification should be either referenced or filed in this section (3.2.P.3.3). Additionally for Biotech see 3.2.A.1 for facilities, if appropriate.		
3.2.P.3.4 Control of Critical steps& intermediates.	Critical Steps: Tests and acceptance criteria should be provided (with justification, including experimental data) performed at the critical steps	Q2A Q2B Q6A Q6B	

3.2.P.3.5	Process validation	manufacturing process, to ensure that the process is controlled. Intermediates: Information on the quality and control of intermediates isolated during the process should be provided. Description, documentation, and results of the validation and/or evaluation studies should be provided for critical steps or critical assays used in the manufacturing process (e.g., validation of the sterilisation process or aseptic processing or filling). Viral safety evaluation should be provided in 3.2.A.2, if necessary.	Q6B	Content of process validation protocol: -Short description of the process with a summary of the critical processing steps. -Drug product specifications (at release). -Details of the analytical methods. -Acceptance criteria -sampling plan (where, when and how samples are taken). -details of the methods of recording and evaluation results. -proposed time frame. -batch analytical data. -certificate of analysis. -batch production record -report on unusual findings, modifications or changes found necessary with appropriate rational	
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	Excipients			
3.2.P.4.1	Specifications.	The specifications for excipients should be provided.	Q6A and Q6B	Certificates of analysis(COA)s from quality control lab(applicant) and from suppliers(vendors) must be provided.
3.2.P.4.2	Analytical Procedures.	The analytical procedures used for testing the excipients should be provided, where appropriate.	Q2A and Q6B	
3.2.P.4.3	Validation of Analytical Procedures	Analytical validation information, including experimental data, for the analytical procedures used for testing the excipients should be provided, where appropriate.	Q2A, Q2B, and Q6B	
3.2.P.4.4	Justification of specifications.	Justification for the proposed excipient specifications should be provided, where appropriate.	Q3C and Q6B	
3.2.P.4.5	Excipients of Human or Animal Origin.	For excipients of human or animal origin, information should be provided regarding adventitious agents (e.g., sources, specifications; description of the testing performed; viral safety data). (Details in 3.2.A.2).	Q5A, Q5D, and Q6B	Certificate of TSE/BSE ,presence or absence should be provided from suppliers.
3.2.P.4.6	Novel Excipients.	For excipient(s) used for the first time in a drug product or by a new route of administration, full details of manufacture, characterisation, and controls, with cross references to supporting safety data (nonclinical and/or clinical) should be provided		

		according to the drug substance format. (Details in 3.2.A.3).			
3.2.P.5	Control of Drug Product				
3.2.P.5.1	Specification(s)	The specification(s) for the drug product should be provided.	Q3B, Q6A and Q6B	Are the specifications coherent with the dosage form proposed? Is there any differentiation between release specifications and shelf-life ones, specially related to "assay" and related substances content" parameters?	
3.2.P.5.2	Analytical Procedures.	The analytical procedures used for testing the drug product should be provided.	Q2A and Q6B		
3.2.P.5.3	Validation of Analytical Procedures.	Analytical validation information, including experimental data, for the analytical procedures used for testing the drug product, should be provided.	Q2A, Q2B and Q6B	Validation protocols and reports, with acceptance and rejection criteria and specifications and experimental data, for all analytical chemistry methods developed and used for the characterization of a drug substance and proposed drug product are to be included within the designated sections. These methods may include, but are not limited to (<i>i</i>) identity assays for a drug substance, intermediates, and excipients; (<i>ii</i>) content assays for a drug substance, intermediates, and excipients; (<i>iii</i>) impurity profiling and quantification	

3.2.P.5.4	Batch Analyses	A description of batches and results of batch analyses should be provided.	Q3B, Q3C, Q6A, and Q6B	assays for a drug substance and proposed drug product; (<i>iv</i>) dissolution assays for a proposed drug product or drug products if more than one is included in the marketing application; and (<i>v</i>) stability-indicating assays for a drug substance and proposed drug product The report, data sheets and typical chromatograms should be provided. Signed COAs for the submission batches should be provided. Typical spectrums(IR/UV) and chromatograms for the relevant tests(HPLC) are required. Quality control manager and quality assurance manager must signed the COA's.	
3.2.P.5.5	Characterizati on of Impurities.	Information on the characterisation of impurities should be provided, if not previously provided in "3.2.S.3.2 Impurities".	Q3B, Q5C, Q6A, and Q6B		
3.2.P.5.6	Justification of Specification.	Justification for the proposed drug product specification(s) should be provided.	Q3B, Q6A, and Q6B		
3.2.P.6	Reference standards or	Information on the reference standards or reference materials used for testing	Q6A and Q6B	COA's from suppliers of the reference	

	materials.	of the drug product should be provided, if not previously provided in "3.2.S.5 Reference Standards or Matorials"	standards or materials must be provided.	
3.2.P.7	Container Closure System.	Materials". A description of the container closure systems should be provided, including the identity of materials of construction of each primary packaging component and its specification. The specifications should include description and identification (and critical dimensions, with drawings where appropriate). Non-compendial methods (with validation) should be included where appropriate. For non-functional secondary packaging components (e.g., those that neither provide additional protection nor serve to deliver the product), only a brief description should be provided. For functional secondary packaging components, additional information should be provided. Suitability information should be located in 3.2.P.2.		Certificates of analysis(COA's) from quality control lab(in-house) and from suppliers(vendors) must be provided and signed.
3.2.P.8	Stability :		Some slides to illustrate:	



Stress Testing of the Drug Product Study depends on the type of drug product (pharmaceutical form, properties)
• Photostability
• Real : 60 C for up to 1 month
solutions for injection)
Photostability testing (Q1B) atssaps
• Confirmatory study to confirm product
and package performance :
Overall illumination NLT 1.2 million lux hours + near UV energy NLT 200 watt hrs per sq. meter



	Storage conditions afstop2 • Based on analysis of effects of climatic conditions in the 3 regions (EC, Japan USA). • Mean kinetic temperature derived from climatic data • A climatic zones defined according to W. Grimm * <u>Climatic zones defined according to W. Grimm * <u>Climatic zones defined according to W. Grimm * <u>Definition </u> <u>I Mediterranean and subtropical climate <u>II Hot and dry climate IV Hot and humid climate </u> <u>IV Hot and humid climate IV Hot and humid climate </u></u></u></u>
	Storage conditions Submission Conditions Stability studies Study conditions requirement or 12 months General case Intermediate** 10°C22°C / 60% ± 5% RH 6 months General case Intermediate** 10°C22°C / 60% ± 5% RH 6 months Accelerated 40°C ±2°C / 60% ± 5% RH Freezer Long term -20°C ±2°C / 60% ± 5% RH 6 months Freezer Long term -20°C ±2°C / 60% ± 5% RH 6 months *It is up to the applicant to decide whether long term stability is performed at 25°C ±2°C60% ± 5% RH is the long-term condition, there is no intermediate *'It 30°C ± 2°C/65% ± 5% RH is the long-term condition, there is no intermediate condition Stability is performed at 26°C

				Evaluation Extraj • No significant cha 6 months • Long term data sh little or no variabil • Accelerated data and little or no var • Statistical analysis • An extrapolation c time stability data time stability + 12	n of stabili (Q1E) polation /be nge at accele ow little or no ity show little or iability s is normally of an be accord (X) however I months (NMT	ty data afssaps est case rated conditions within o change over time and r no change over time unnecessary ed up to twice the real imited to length of real X + 12 months)		
				Labe	Iling state Required labelling statement None Do not store above 30°C Or store below 30°C Do not store above 25°C Or store below 25°C Store in a refrigerator Or store below 25°C Store in a refrigerator Store in a freezer or for store and transport frozen	Additional labelling statement, where relevant Do not refrigerate or freeze Do not refrigerate or freeze Do not refrigerate or freeze		
3.2.P.8.1	Stability Summary and Conclusion	The types of studies conducted, protocols used, and the results of the studies should be summarized. The summary should include, for example, conclusions with respect to storage	Q1A, Q1D, Q1B, Q3B, and Q5C,	IF • Long-term and a or no change over variability Than	ccelerated time and li	data showing little ttle or no		

		conditions and shelf-life, and, if	Q6A	• Extrapolation of re-test period or shelf life	
		applicable, in-use storage conditions		beyond the period covered by long-term data	
		and shelf-life.		can be proposed.	
				• The proposed re- test period or shelf life can	
				be UP to TWICE, but should not be more than	
				12 months beyond the period covered by	
				long-term data (X).	
				(Max: X + 12 months).	
				We must have the results of stability table	
				with title or heading the name of the	
				manufacturer or quality lab control and	
				checked by quality control manager and	
				approved by quality assurance manager	
				with signatures and stamps	
3.2.P.8.2	Post-approval	The post-approval stability protocol	Q1A	IF	
	Stability	and stability commitment should be	and	• At the time of submission:	
	Protocol and	provided	Q5C	At least 2 pilot scale batches + 1 "lab scale"	
	Stability			□ Accelerated studies up to 6 months	
	Commitmente			□ Long term up to 12 months	
	Communents.			Than	
				Stability Commitment:	
				. to continue the stability studies post approval	
				\Box to place the first 3 production batches on	
				stability studies.	
				• After a new product is approved:	
				\Box First 3 production batches:	
				1. Accelerated studies	

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				 2. Long term studies through the proposed shelf life. Thereafter, one batch per year. Unless otherwise justified, at least one batch per year of product manufactured in every strength and every primary packaging type, if relevant, should be included in the stability programme. 	
3.2.P.8.3	Stability Data	Results of the stability studies should be presented in an appropriate format (e.g. tabular, graphical, narrative). Information on the analytical procedures used to generate the data and validation of these procedures should be included.	Q1A, Q1B, Q1C, Q1D, Q2A, Q2B Q3B and Q5C	 Stability testing of FP may involve monitoring: appearance loss of API formation of degradation products (ICH Q3B), changes in drug disintegration and dissolution, loss of package integrity, microbial contamination. Some specifications parameters depend on pharmaceutical form Tablets: dissolution (or disintegration if justified), water content, hardness, friability Hard gelatin capsules: brittleness, dissolution (or disintegration if justified), water content and microbial bioburden. soft gelatin capsules: dissolution (or disintegration if justified), microbial bioburden, pH , leakage , and pellicle formation. 	Example of stability data sheet:

-Emulsions: phase separation, pH, viscosity,
microbial bioburden, mean size and distribution
of dispersed globules
- Oral solutions and suspensions: formation of a
precipitate clarity for solutions pH viscosity
microbial bioburden extractables leachables
polymorphic conversion when applicable
Additional tests for suspensions include
redispersability rheological properties mean
size and distribution of particles
- Small-Volume Parenterals: Color Clarity of
solutions particulate matter pH sterility
endotoxins. Powder for injectable solution:
color, reconstitution time, water content, After
reconstitution: clarity, color, pH, particles,
sterility, endotoxins/pyrogens, and particulate
matter. Suspensions for injection should include
additional particle size distribution.
redispersability, and rheological properties.
Emulsions for injection should include phase
separation, viscosity, mean size, and
distribution of dispersed globules.
-Large-Volume Parenterals: Color, Clarity of
solutions, particulate matter, pH, sterility,
endotoxins/ pyrogens, and volume.
-Suppositories: softening range, dissolution at
37degreesC.
-Topical, Ophthalmic, and Otic preparations:
Clarity, homogeneity, pH,
resuspendability(for lotions),
consistency, viscosity, microbial
bioburden, and water loss should be

	 tested.For ophthalmic and otic products additional attributes should include sterility , particulate matter and extractables. Metered-Dose inhalers and Nasal Aerosols: content uniformity, aerodynamic particle size distribution, microscopic evaluation , water content , leak rate , microbial bioburden, valve delivery , extractables , leachables from plastic and elastomeric components. The batches must have same: Formula Packaging Raw material source Manufacturing process If one of these parameters change: other stability studies are required. 	Bracketing	Same Pharmaceutical form for all
	In some cases, we can use : • Bracketing : bracketing is the design of a stability schedule	Applicable with justification (based on supporting data)	Same packaging Change in DS and excipients concentration
	such that only samples on the extremes of certain design factors	Non applicable	Different excipients used
	 tested at all time points as in a full design. The design assumes that the stability of any intermediate levels is represented by the stability of the extremes tested. 		



	1			
3.2.P.8.3.1	Real Stability Data.			NB: If we have real stability data for <u>only two</u> commercial batches and if the active ingredient is stable and if the dosage form is conventional we can accept. NB: For an injectable liquid which is stable at refrigerator storage conditions 5degrees+/-3 degrees for long term , we can accept it , even if it is not conform for accelerated : 25degrees+/- 2degrees .
	Accelerated		Definitions of significant changes of data stored	
3.2.P.8.3.2	Stability.		at accelerated conditions	
	~~····		API	
			Significant change is defined as failure to meet	
			the specification	
			Drug product 1. A 5% potency change from the initial assay	
			value;	
			2. Any specified degradant exceeding its	
			3 Eailure to meet accentance criteria for	
			appearance and physical	
			properties (e.g., color, phase separation,	
			resuspendability, delivery per actuation, caking,	
			hardness); and as appropriate to the product	
			type;	
			4. The pH exceeding its acceptance criteria; and	
			5. Dissolution exceeding the acceptance criteria	
			for 12 dosage units.	

Critical Remarks:

Some missing information to provide and clarifications needed in the Module 3-Part P:

- Formulation development
- Innovator product and comparison with it
- Trials to choose the best formula.
- Process manufacturing development.
- In batch formula: the batch size
- For solid dosage forms (tablets and capsules): dissolution tests in three different pH (1.2, 4.5 and 6.8 for example)
- Process validation protocol and /or report.
- For parenteral products in powder (lyophilized) with solvent, the solvent module 3-part P.
- For compatibility: stability after dilution or reconstitution.
- COA's for reference standards from suppliers.
- COA's from suppliers of packaging Materials and quality department lab.
- The post-approval stability protocol and stability commitment are not provided.
- Stability data for three pilot batches
- Title on the stability data of quality control department
- Stability data results for accelerated conditions.
- The attachments files.

To clarify:

- Uncontrolled copy for the results?
- The results, the specifications and the procedures are: Photocopy for reference only?
- Stability studies done on three pilot batches: less than 10% of industrial batches?
- In the Process Validation: "For Information only"?
- The stability data are presented as tables but they are not signed nor dated.
- The stability data are stamped with export stamp; they are not signed by quality control lab.
- We must have the results of stability table with title or heading of the name of the manufacturer or quality lab control, checked by quality control manager and approved by quality assurance manager with signatures and stamps; Not only the stamp of export directorate.
- Some subdivisions are empty.
- Several names of the drug product in the dossier which induces confusion.
- Relation between the manufacturers or production sites is not clear, when there is more than one site.

Recommendations:

The part P of module 3 will be:

Approve or Not or on "Pending" for clarifications and more information or details.



ANNEXES

Brief Summary of the ICH Guidelines for testing of Drug Substances and New Drug Products:



La relation de	ICH Stability Testing Requirements						
	Drug Substances ¹	Drug Products ²					
Batch selection:	Data from three primary batches are required	1					
Container closure system	The stability studies should be conducted on the drug substance packed in the same container closure system as proposed for storage and distribution	The stability studies should be conducte on the drug product packed in the same container closure system, i.e. both primu and secondary, as proposed for marketi					
Specifications:	Combination of physical, chemical, biological and microbiological tests and acceptance criteria that the drug substance/product should meet throughout its shelf-life						
Testing frequency:	Accelerated: 0, 3 and 6 months Intermediate: 0, 6, 9 and 12 months Long tem: 0, 3, 6, 9, 12, 18 and 24 months and then every 12 months through the proposed re-testing period						
General storage conditions	A coelerat of: 40 ± 2°C/75 ± 5% RH Intermediate: 30 ± 2°C/65 ± 5% RH Long tem: 25 ± 2°C/60 ± 5% RH or 30 ± 2°C/65 ± 5% RH						
Refrigerator storage conditions	Accelerated: $25 \pm 2^{\circ}C/60 \pm 5\%$ R.H. Long term: $5 \pm 3^{\circ}C$						
Freezer storage conditions	Long term: -20±5°C						
Stability commitment:	If the long term data on does not cover the p shelf-life granted at the time of approval then the stability studies to firmly establish the re-	roposed substance re-test period or produ a commitment should be made to contin test period or shelf-life.					
Evaluation	Based on the evaluation of the stability data t shelf-life of a drug product should be establist	the re-test period of a drug substance or the					
Photostabilit y:	For drug substances, photostability testing should consist of two parts: forced degradation testing and confirmatory testing relating to normal handling of the substance.	 i) Test on the exposed drug product, the f necessary i) test on the product in primary packa and then if necessary ii) test on the product in the marketing package. 					
	The light source can be an artificial daylight fluorescent lamp combining visible and ultraviolet outputs.						

Examples of stability data sheet:

Sample Name: Manufacturing Date: Lo#: Manufacturing Site: Study #: Expination Date: Protocol #: Testing Site: Study Start Date: Testing Site: Study Partnese: Packasing Site:			; Date: ; Site: te: ::	tale: ise:			Storage condition: Sample Orientation (if applicable): Packaging Information: Packaging Date:			
Test Name	Method	Acceptan	ee Criisria	Time Zero Test Date	1 Mo	2360	J Mo	6340	9 Mo	12 Ma
Puil Date				1 OCLOSES						
Test Date										
LINE ID									<u> </u>	
Аррилится										
Азму										
Imparities Individual Total										
Dissolution Average % RSD Range										
Moistare										



_				STABILITÉ				
			(Tableau à uti	liser comme guide	e seulement)		-	AFROSOL
S	0	CAPSULES	LIQUIDES ET	ONGUENTS ET CRÉMES	POUDRES	INJECTABLES	SOFFORTORICO	11111000000
-	-	Soumettr	e à des essais tous le	is ingrédients actifs et	lies autres «élén	nenta» indiques ci-de	a soura	Quantite
			Plus: agents de conservation, anti- oxydants et agents bactériostatiques, si leur efficacité n'a pas été verifiée dans le section sur la pureté	Plus: agents do conservation, anti- oxydants of agents bactériostatiques, si leur efficiacité n'a pas été vérifiée dans la section sur la pureté	dormèes dormèes complètes des essais sur les formes posologiques reconstituées	conservation, les anti-oxydants et les agents bactériostatiques, al leur efficacité n'is pas été vérifiée dans la soction sur la purnté		administré par pressi pour les aérosols- doceurs
. 241	3 mpiet	samanco des naros	internes et couleur d	e l'intérieur du bouchs	on (2) intégrité di	sceau d'étanchéilé	(3) apparence et adt	nérence de
Consummers (1) report to the same second sec								
tion	9	dissolution désagrégation condition des capsules (vides)	-odeur -viscostă -bri -bri solution -precipitation des ingrédients -non-homogénétié des suspansions -homogénétié (gels.)	-odeur -lexture -piti -homogénétié -précipitation des ingrédients	-odeur -laxture -laxture -laxte de la solution -nemogénétité -pH (aprés reconstitution) -taile des particules -doculement (poudres à schuler)	-care matitive particulaires pH -precipitation des ingrédients -rotation optique -flacons multi- dozees i intégrité du produit après son usage initial	-bomogánálié	-poids d'applicati -pression d'applicati -pH -efficacité d'applicati (pur exemple, type de vaporisati et tailé de goutéletti -nombre d doses nu pressions
								emballage
-	-	Contenants: (1) m	nigration de la drogue	dans le plastique (2)	migration des pla	estifiants dans la drog	jue (3) corrosion	
		-humidite	-stérilité des produits ophtalmiques -matières particutaires dans les produits	-stérilité des produits ophtalmiques -matières particulaires dans les produits controluits	-humidité	-stérilté		
		-humidité	-stérilité des produits ophtalmiques -matières particulaires dans les produits ophtalmiques	-stérilité des produits ophtalmiques -matières particulaires dans les produits ophtalmiques	-humid48	-	enite	erine

