The Common Technical Document (CTD)

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- A biosimilar product is a biological product that is approved based on a showing that it is highly similar to an FDA-approved biological product, known as a reference product, and has no clinically meaningful differences in terms of safety and effectiveness from the reference product.
- Pharmacovigilance (PV or PhV), also known as drug safety, is the pharmacological science relating to the collection, detection, assessment, monitoring, and prevention of adverse effects with pharmaceutical products.

- Certification of Suitability (CEP)
- It is the certificate which is issued by Certification of Substances Division of European Directorate for the Quality of Medicines (EDQM), when the manufacturer of a substance provides proof that the quality of the substance is suitably controlled by the relevant monographs of the European Pharmacopoeia.
- TSE compliance certificates
- are a type of CEP (Certificate of Suitability to the European Pharmacopoeia). They are used to maximize safety when working with materials that could potentially be contaminated with TSE (Transmissible spongiform encephalopathy).

- The plasma master file (PMF)
- It a compilation of all the required scientific data on the quality and safety of human plasma relevant to the medicines, medical devices and investigational products that use human plasma in their manufacture.
- The Certificate of Pharmaceutical Product (CPP)
- It is a certificate issued in the format recommended by the World Health Organization (WHO), which establishes the status of the pharmaceutical product and of the applicant for this certificate in the exporting country.

- The Summary of Product Characteristics (SPC or SmPC) is a specific document required within the <u>European</u> <u>Commission</u> before any medicinal product or biocidal product is authorized for marketing.
- A novel excipient is an excipient which is being used for the first. time in a drug product, or by a new route of administration.

" مسمر الله الرّع ن الرّعب "

"اللهم لا سهلًا إلَّا ما حِملت م سهلًا .. وأنتَ تجمل لجنون إذا شُتُ سهلًا "

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*(CEP) م ١٤ إنت بدك تيجي تشزي دواد (AI) لازم يكون معاه ال (CEP) وهاعب جزد إنت تقدمه علف التسجيل .. شويعنى ٤ إنه أنا ال AI تاعق وافق وشابه الرسك Standard تبع الا تعاد الدرويب وهاد نياف على High Pudity الد AI باب إنت جبته .. نعرف إنه إنت عنوع تشتري دواد سكون يرجع المرم أواد H اواتكن الد CEP شهادة لانزم تكون معالك.

* ISE compliance certificates ع أي Drugs عن مصدر جيواني لازم بيكوت معاهم شهادة TSE و BSE .. ذي الملاح عنا مفترة من الفترات (قبل مانيجي على الدّنيا إلهنا) جنوب البقر إنتشر عشات حيك لازم أي شي من مصدر حيواني لازم بيكون معان هاي الشهادة عبر منت البدك تشترب دواد ، هاد الدواء للنرع الشركة تحملك معاه عبد الدواء للنرع الشركة تحملك معاه به عبد الدواء للنرع الشركة تحملك معاه عبد الدواء الدواء أو يعملوك معاه OMF (مش مطلوب بس المعرفة) أي دراسات للدواء بتحود لله المعادن المع منداك ، مثل اله المعانات المعانات المع منداك ، مثل اله المعانات المعانات المع منداك ، مثل الهانات المعانات المعانات

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عوهي شهادة تستيل المستحفر، عثلًا لوإنت بستوجع أدوية وجايب دواد أجنبي معنع بترا للودن عن الأشياء بلي حيطلبك بإهااله AFT هي الروات معنا وهي ذي هوية المدوية المامول المدنسة تاعتك وهي ذي هوية المدوية المدنسة تاعتك المستعمر تاعك والشركة المستعمر المستحفر المائمة المستعمر المستحفر المستحفر المستعمر المستحفر المستحفر المستحفر المستحفر المستحفر المستحفر المستحفر المستحفر المستحفر المستحد المستحفر المستح

عبارة عن Oocumant معين ويطلبون غالبًا بالانتحاد الأرديب وإجنا بالأرون المراب وعبارة عن Oocumant أميانًا تطلب قبل ما يتم ترجيص الدولة الدولة المانية قيدت المانية في دواء الله المرابقة مدينة تستخبع الأول في دواء المانية مدينة مدينة الإعطاء عن طريق المم بدلًا من الحقن .

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Common Technical

- Document (CTD)CTD is a set of specification for application file for the registration of Medicines and designed to be used across Europe, Japan and the United States.
- It is an internationally agreed format for the preparation of applications regarding new drugs intended to be submitted to regional regulatory authorities in participating countries.
- In July 2003, the CTD became the mandatory format for new drug applications in the EU and Japan, and the strongly recommended format of choice for NDAs submitted to the FDA.

Advantages of CTD

- It has facilitated the regulatory review processes
- It has eliminated the need to reformat the information for submission to the different ICH regulatory authorities
- It facilitated simultaneous submission in three regions.
- It led to harmonised electronic submission that, in turn, enabled implementation of good review practices.
- Faster availability of new medicines

Module 1: Administrative Information

Module 2: CTD summaries Module 3: Quality Not part of the CTD Regional Module 4: Nonclinical study reports administrative information Module 1 Module 5: Clinical study reports Non-clinical overview Clinical Module 2 overview The CTD Quality overall Clinical Non-clinical summary summary summary Quality Non-clinical Clinical study study reports reports Module 3 Module 4 Module 5

The CTD triangle. The Common Technical Document is organized into five modules. Module 1 is region specific and modules 2, 3, 4 and 5 are intended to be common for all regions.

* CTD

م وهو عبارة عن عنوذج متون من Blodules، أوهن وحدات، وطبعًا موجّد مشكل علي بالدول الذكورة و ماليًا أي بلد تنتسب اله TCH عنها نفس هادر المفوذ إ أو الد Format ، يبهل علن الما على الما ون عندك ورق ناقص وتمير علية تسجيل الدواء أكثر "Concisely (معتمرة ومباشرة) وعرب أينكا أدوية مديدة

م بالسنة لا Hodule ع منهم ثانتات ووعدة متغرة يلي هي Hodule 1 ويكن و المانية ويكن الثانية ويكن الثانية ويكن 3,2,4,5 م دانبات

عنا فت مثال على "1" باله JFDA بيسلايد مقم "9" وذاكر للمة مهد الملايد على معناها التصميم للعلبة .. أو الأبعاد للعلبة دي الصودة اعتطوان بالسلايد على اليمسين فوق .. فيطلبوا عينة وحمدة بالتسجيل .. اعرموا كتف شكله لا "1" إلى

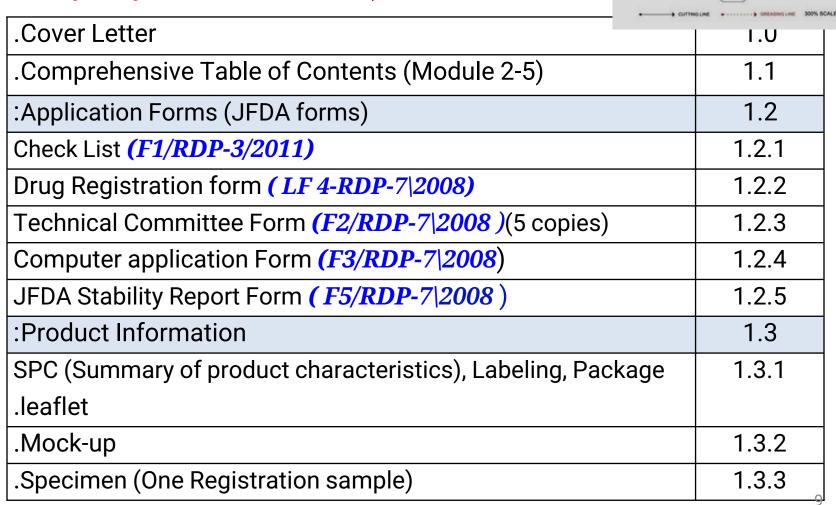
MEDICINE BOX

DIE-CUT TEMPLATE

Organization of CTD

Module 1: JFDA Requirements

(www.jfda.jo *F1/RDP-3/2011*)



Module 1: JFDA Requirements (www.jfda.jo)

:Specific Requirements for Different Types of Applications	1.4
.Information for application type (Generic, Bio-similar)	1.4.1
Information for submission type (Technology Transfer, under license)	1.4.2
:Information related to Pharmacovigilance	1.5
.Pharmacovigilance System	1.5.1
.Risk-management System	1.5.2
:Other information	1.6
.List of Similar Product Available in Local Market	1.6.1
.Detailed Comparison between Generic Leaflet & Originator (for generic drugs)	1.6.2
Declaration from the manufacturer about the ingredient/s from human or animal origin	1.6.3
included in the composition of the product and their source and the related certificates (TSE	
CEP).	
List from manufacturer to declare the worldwide registration status: (registered\Marketed	1.6.4
(date), under registration, rejected (with reason)).	
Technical Contract (Open part) in case of contract manufacturing.	1.6.5
Health authority approval of the latest Plasma master file (if the product contain plasma	1.6.6
derivatives).	10

Module 1: JFDA Requirements (www.jfda.jo)

Certificates:	1.6.7
Certificate of Pharmaceutical product (CPP) according to WHO format Certified and	1.6.7.1
Legalized.	
SmPC certified and legalized from country of origin (excluding generics).	1.6.7.2
Price certificates:(for Exported products)(priced drug):	1.6.7.3
- Public Price Certificate showing Price Structure: Ex.f, WSP, PP,(Certified and Legalized):if vat	
included specify .	
- Price structure from median countries (UK, Spain, France, Greece, Italy, Belgium, and	
Holland).	
- Export Price letter for Jordan & Export price to Saudi Arabia (if marketed).	
Prices certificate: (for local products) Suggested Public price\ pharmacist price or	1.6.7.4
hospital price (for priced drug).	
JFDA approval certificate for the Manufacturing site/s (for the same production	1.6.7.5
line)(or copy of the request letter for approval (date and number))	
A copy of JFDA committee approval of the B.E or the Comparative Dissolution Profile	1.6.7.6
should be provided (for generic drugs).	
	11

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Certification of Substances Division

Certificate of suitability No. R1-CEP 2002-124-Rev 00

2	Name of the substance: WOOL FAT
3 4 5 6 7	Name of holder: NIPPON FINE CHEMICAL CO LTD 4-9, 2-Chome Bingomachi, Chuo-Ku Japan-541-0051 Osaka
8 9 10 11 12	Site(s) of production: NIPPON FINE CHEMICAL CO LTD Kakogawahigashi Plant 377-1, Kitano, Noguchi-Cho, Kakogawa-Shi Japan-675-0011 Kakogawa
13 14	THIS CERTIFICATE SUPERSEDES THE PREVIOUS CERTIFICATE R0-CEP 2002-124-REV 01
15 16 17 18 19 20	After examination of the information provided on the origin of raw material(s) and type of tissue(s) used and on the manufacturing process for this substance on the site(s) of production mentioned above, we certify that the substance WOOL FAT meets the criteria described in the current version of the monograph Products with risk of transmitting agents of animal spongiform encephalopathies no. 1483 of the European Pharmacopoeia, current edition including supplements.
21	- nature of animal tissues used in manufacture: Sheep wool
22 23 24	The submitted dossier must be updated after any significant change that may alter the quality, safety or efficacy of the substance, or that may alter the risk of transmitting animal spongiform encephalopathy agents.
25 26	Manufacture of the substance shall take place in accordance with a suitable quality assurance system such as ISO 9001, and in accordance with the dossier submitted.

Module 1: Administrative Information and Prescribing Information

- This module should contain documents specific to each region;
- e.g.
 - application forms
 - the proposed label for use in the region.
- The content and format of this module can be specified by the relevant regulatory authorities.

Module 2. Common Technical Document Summaries

- Module 2 should begin with a general introduction to the pharmaceutical, including its pharmacologic class, mode of action, and proposed clinical use. In general, the Introduction should not exceed one page.
- Module 2 should contain 7 sections in the following order:
 - >CTD Table of Contents
 - >CTD Introduction
 - ➤ Quality Overall Summary
 - ➤ Nonclinical Overview
 - Clinical Overview
 - ➤ Nonclinical Written and Tabulated Summaries
 - ➤ Clinical Summary

Module 3. Quality

 Information on Quality should be presented in the structured format described in Guideline M4Q.

3.2.S DRUG SUBSTANCE (NAME, MANUFACTURER).
3.2.S.1 General Information
3.2.S.1.1 Nomenclature
3.2.S.1.2 Structure
3.2.S.1.3 General Properties
3.2.S.2 Manufacture
3.2.S.2.1 Manufacturer(s)
3.2.S.2.2 Description of Manufacturing Process and Process Controls
3.2.S.2.3 Control of Materials
3.2.S.2.4 Controls of Critical Steps and Intermediates
3.2.S.2.5 Process Validation and/or Evaluation
3.2.S.2.6 Manufacturing Process Development
3.2.S.3 Characterisation
3.2.S.3.1 Elucidation of Structure and other Characteristics
3.2.S.3.2 Impurities

3.2.S DRUG SUBSTANCE (NAME, MANUFACTURER).
3.2.S.4 Control of Drug Substance
3.2.S.4`.1 Specification
3.2.S.4.2 Analytical Procedures
3.2.S.4.3 Validation of Analytical Procedures
3.2.S.4.4 Batch Analyses
3.2.S.4.5 Justification of Specification
3.2.S.5 Reference Standards or Materials
3.2.S.6 Container Closure System
3.2.S.7 Stability
3.2.S.7.1 Stability Summary and Conclusions
3.2.S.7.2 Post-approval Stability Protocol and Stability Commitment
3.2.S.7.3 Stability Data

3.2.P DRUG PRODUCT (NAME, DOSAGE FORM)	
3.2.P.1 Description and Composition of the Drug Product	
3.2.P.2 Pharmaceutical Development	
3.2.P.2.1 Components of the Drug Product	
3.2.P.2.1.1 Drug Substance	
3.2.P.2.1.2 Excipients	
3.2.P.2.2 Drug Product	
3.2.P.2.2.1 Formulation Development	
3.2.P.2.2 Overages	
3.2.P.2.2.3 Physicochemical and Biological Properties	
3.2.P.2.3 Manufacturing Process Development	
3.2.P.2.4 Container Closure System	
3.2.P.2.5 Microbiological Attributes	
3.2.P.2.6 Compatibility	18

3.2.P DRUG PRODUCT (NAME, DOSAGE FORM)
3.2.P.3 Manufacture
3.2.P.3.1 Manufacturer(s)
3.2.P.3.2 Batch Formula
3.2.P.3.3 Description of Manufacturing Process and Process Controls
3.2.P.3.4 Controls of Critical Steps and Intermediates
3.2.P.3.5 Process Validation and/or Evaluation
3.2.P.4 Control of Excipients
3.2.P.4.1 Specifications
3.2.P.4.2 Analytical Procedures
3.2.P.4.3 Validation of Analytical Procedures
3.2.P.4.4 Justification of Specifications
3.2.P.4.5 Excipients of Human or Animal Origin
3.2.P.4.6 Novel Excipients

3.2.P DRUG PRODUCT (NAME, DOSAGE FORM)
3.2.P.5 Control of Drug Product
3.2.P.5.1 Specification(s)
3.2.P.5.2 Analytical Procedures
3.2.P.5.3 Validation of Analytical Procedures
3.2.P.5.4 Batch Analyses
3.2.P.5.5 Characterisation of Impurities
3.2.P.5.6 Justification of Specification(s)
3.2.P.6 Reference Standards or Materials
3.2.P.7 Container Closure System
3.2.P.8 Stability
3.2.P.8.1 Stability Summary and Conclusion
3.2.P.8.2 Post-approval Stability Protocol and Stability Commitment
3.2.P.8.3 Stability Data

3.2.P DRUG PRODUCT (NAME, DOSAGE FORM)
3.2.P.5 Control of Drug Product
3.2.P.5.1 Specification(s)
3.2.P.5.2 Analytical Procedures
3.2.P.5.3 Validation of Analytical Procedures
3.2.P.5.4 Batch Analyses
3.2.P.5.5 Characterisation of Impurities
3.2.P.5.6 Justification of Specification(s)
3.2.P.6 Reference Standards or Materials
3.2.P.7 Container Closure System
3.2.P.8 Stability
3.2.P.8.1 Stability Summary and Conclusion
3.2.P.8.2 Post-approval Stability Protocol and Stability Commitment
3.2.P.8.3 Stability Data

Organization of CTD Module 4: Non-clinical study reports

- Module 4 describes the format and organisation of the nonclinical (pharmaco-toxicological) data relevant to the application.
- ☐4.2 STUDY REPORTS
- □4.2.1 Pharmacology
- □4.2.2 Pharmacokinetics
- □4.2.3 Toxicology
- ■4.3 literature references

Organization of CTD Module 5: Clinical study reports

 Module 5 describes the format and org 	
the clinical data relevant to the applica	ation.
☐ 5.3.1 Reports of Biopharmaceutical Studi	es
5.3.2 Reports of Studies Pertinent to	
Pharmacokinetics Using Human Biomater	ials
☐ 5.3.3 Reports of Human Pharmacokinetic	(PK) Studies
☐ 5.3.4 Reports of Human Pharmacodynam Studies	nic (PD)
☐ 5.3.5 Reports of Efficacy and Safety Studi	es
☐5.3.6 Reports of Post-Marketing Experien	ice
☐ 5.3.7 Case Report Forms and Individual P Listings	
□ 5.4 literature references	00

eCTD

- Electronic submission of CTD
- Files formats are PDF and xml in order to
 - 1. manage the large data for the entire submission and for each document within the submission.
 - 2. allow the eCTD submission to be viewed via a web browser and can be loaded on a Web server.
- · other formats can be used for graphs and images.
 - JPEG
 - PNG
 - GIF

* Module (2) 1(3) Quality code module 3", is crept overview shimiles + method o l'analysis 1 Dng produr of (AI) si specificatin Ji Lais إلى .. كل تطوير للمواء تكون فوجودة بـ " قي " نسوموا المنود ع تاع " قي و اعراوا شو عوم و فيه .. تعسب اسله كنون الما عين إذا هاد "2" أو "3" أو "1" . إلى ... Linds & Module "4" "Non-clinical study reports" Tel Higgs, Wels . Lettleric Welsick Helpick Holes of the House المراز المحالية و المعال و المعال في وقيد * CCTD * م إحنا بالأون حادوا شخالس على mdus Electronic بطل حيا يوخذ ملف وبروح على الـ FDA بس يظلوا بيتجوا التعنيات بشكل إلكترونين .. بسب السيانات الكبس والضعف .. وسهولة العرب والمشاركة م بالاضافة إلى ملفات POF و XML في صغ أخرى الرسم البيانية والهود عن التقديم الالمكتريني لا CTD مثل م 1-JPEG 2-GIF 3- PMG