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Vol 4: GMP Human & Veterinary

All topics

EudraLex - Volume 4 - Good Manufacturing Practice (GMP) guidelines

Volume 4 of "The rules governing medicinal products in the European Union" contains guidance for the interpretation of the principles and guidelines of good manufacturing practices for medicinal products for human and veterinary use laid down in Commission Directives 91/356/EEC, as amended by Directive 2003/94/EC, and 91/412/EEC respectively.

Introduction

- Introduction (07/02/2011)
- Commission Directive 2003/94/EC of 8 October 2003, laying down the principles and guidelines of good manufacturing practice in respect of medicinal products for human use and investigational medicinal products for human use. Replacement of Commission Directive 91/356/EEC of 13 June 1991 to cover good manufacturing practice of investigational medicinal products.
- Commission Directive 91/412/EEC of 23 July 1991 laying down the principles and guidelines of good manufacturing practice for veterinary medicinal products.
- Commission Delegated Regulation (EU) 2017/1569 (for linguistic versions, click here) of 23 May 2017 supplementing Regulation (EU) 536/2014 of the European Parliament and of the Council by specifying principles and guidelines for good manufacturing practice for investigational medicinal products for human use and arrangements for inspections (applicable as from the date of entry into application of Regulation (EU) No 536/2014 on Clinical Trials)
- Commission Directive (EU) 2017/1572 (for linguistic versions, click here) of 15 September 2017 supplementing Directive 2001/83/EC of the European Parliament and of the Council as regards the principles and guidelines of good manufacturing practice for medicinal products for human use (applicable as from the date of entry into application of Regulation (EU) No 536/2014 on Clinical Trials)

Scope

- This Guide applies to the manufacture of APIs for use in human drug (medicinal) products. It applies to the manufacture of sterile APIs only up to the point immediately prior to the APIs being rendered sterile. The sterilization and aseptic processing of sterile APIs are not covered by this guidance, but should be performed in accordance with GMP guidelines for drug (medicinal) products as defined by local authorities.
- This Guide covers APIs that are manufactured by chemical synthesis, extraction, cell culture/fermentation, by recovery from natural sources, or by any combination of these processes. Specific guidance for APIs manufactured by cell culture/fermentation is described in Section 18.

Regulatory Requirements

- FDA Q7A Good Manufacturing Practice Guidance for Active Pharmaceutical Ingredients, Section VI. Documentation and Records
- ICH Good Manufacturing Practice Guide for API Q7, Section 6 Documentation and Records
- 21CFR58 - Good laboratory practice, Subpart J.
- ISO 9001: 2008, Clause 4.2 : Documentation requirements
- Guide to GMP for Medicinal Products Part 1, Chapter 4 Documentation: PIC/S PE 009-8 (Part 1)

Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit



GLP-Bescheinigung/Statement of GLP Compliance (gemäß/according to § 19b Abs. 1 Chemikaliengesetz)

Eine GLP-Inspektion zur Überwachung der Einhaltung der GLP-Grundsätze gemäß Chemikaliengesetz bzw. Richtlinie 2004/18/EG wurde durchgeführt in:

Assessment of conformity with GLP according to Chemikaliengesetz and Directive 2004/18/EC at:

- Prüfeinrichtung/Test facility
- Prüfstandort/Test site

F.W. Klever GmbH
Hauptstr. 20
84168 Aham

(Übersetzbare Bezeichnung und Adresse/Equivalent name and address)

Prüfungen nach Kategorien/Areas of Expertise (gemäß/according to Chemikaliengesetz/ GLP Nr. 5.30/EC guideline)

Kategorie 1 Category 1

Datum der Inspektion/Date of Inspection (Tag/Monat/Jahr/day/month/year)

23.09.2015

Die/Der genannte Prüfeinrichtung/Prüfstandort befindet sich im nationalen GLP-Überwachungs- verfahren und wird regelmäßig auf Einhaltung der GLP-Grundsätze überwacht.

The above mentioned test facility/test site is included in the national GLP Compliance Programme and is inspected on a regular basis.

Auf der Grundlage des Inspektionsberichtes wird hiermit bestätigt, dass in dieser Prüfeinrichtung/ diesem Prüfstandort die oben genannten Prüf- ungen unter Einhaltung der GLP-Grundsätze durchgeführt werden können.

Based on the inspection report it can be confirmed, that this test facility/test site is able to conduct the aforementioned studies in compliance with the Principles of GLP.

Schwabach, 22.01.2016

Dr. Peter Franke
Leiter der GLP-Landesstelle Bayern

GLP-Landesstelle Bayern
Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit
Rathausgasse 4
91126 Schwabach



GAMP 5 - Risk Management Process Overview



- Step 1 - Perform Initial Risk Assessment and Determine System Impact
- Step 2 - Identify Functions with Impact on Patient Safety, Product Quality and Data Integrity
- Step 3 - Perform Functional Assessments and Identify Controls
- Step 4 - Implement and Verify Appropriate Controls
- Step 5 - Review Risks and Monitor Controls

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Our Simatic PCS 7 process control system combines a unique scalable architecture with powerful engineering tools and a wide range of additional functions such as alarm management, processes safety and asset management. Infocenter more information on our solutions for Good Manufacturing Practice (GMP) with a variety of documents, videos and downloads. To download the revised GMP guide (PE 009-16), consult the à œPublicazionià € page. Following a consultation of the authorities participating in the Pic/S in 2017, it was decided to try to transpose the attachment 16, considering that a PIC/S adaptation could offer an additional advantage to better transmit expectations relating to the issue of the Products and further efforts of international harmonization in line with the PIC/S mission to guide international development, the implementation and maintenance of GMP harmonized standards and the inspectors' quality systems in the medicinal sector. Simatic Sipat Pat software with Sipat, enable central data collection and real-time analysis of process data and sensors. The information provided by Siemens support the owner of the plant during: the creation of specifications for the definition of how the regulatory requirements, the determination of the complexity and the news of the components and technologies used, the specification of the activities of the cycle must be implemented, time necessary, the risk assessment, the definition of the test strategy and the best practice during the configuration of the system (for example Simatic PCS 7 Engineering Compendium). The Simatic Hmi Simatic operator interfaces with touch screen and front steel fronts are designed specifically for the control and monitoring of the "enozidorp id ehitarp enoub" a onocstrefr is PMG PMG rep inoizulos eL ossecorp id iledom us etasab JortnoC ssecorP decnavdA CPA eigetarts el e ossecorp led inoizairav el eratulav rep ikazzilitu erosse onosop Hlocar ossecorp id itad I .imetsis e etnaip id otmemanoizunf li e adilavnoc al enoizurtsoc al enoizacifinaip al rep Hsiuqer ivouh onaucr azneics allus atasab Atilauq id ihcsir ied enoitseg al e adilavnoc ni iggo etazzilitu libalacs ativ id olcic id Ativita elled ipicnirp I .SEM la onif ironses iad - PMAG inoizadnacoccar el e ivitamron itisuiqer i noc enil ni onos ehc ,inoizulos e imetsis ,ittdorp onos iggatnav iout I .etneiciffe enoizetunam anu @Ancnon .ocimonoe otmemanoizunf nu id aiznarg e enoizarginofic alled enoitseg e otmemaimac li rep icacifre issecorp odnelibats ,eigoloncot evoun e inoizavonni odnazillitu ,opicitna ni ihcsir e irorre ilaiznetop i eranimile de eravelir , AtimrofnoC al erenentnam e eregnuiggar rep otseihcir ozrofs ol odnecudir .noc omauibirtnoc .ametsis led ativ id olcic oreni'lllus aznelusnoc e izivres id oilgotafrop ortson li noC .itisiuqer itsequ onitroppus e onifsididos actuecamraf airtsudni'l rep snemetS inoizulos e imetsis i ttut ehc omaiucissa iC .avitamron enoitseg e ehcificeps @Ancnon ,issecorp e alumrof id oppulivs ,ocinorttele oiorotarobal id koobeton e oiorotarobal id enoizamotua iuc art-tekram-ot-emit li e ossecus id e odipar icamraf id oppulivs ol eritnesnoc rep elibissel am ,otaturturs odom nu ad ocifeneb iarrart .L&DR retnepO noC .odnom li ottut ni eznetepmoc el e woh-wonk li noc omainetsos it enoizidorp id otnaipmi ut led otelpmoc ativ id olcic la otsoittup am ,oizivres ni assem alla onif enoizacifinaip allad olos non PMG airengegni id ilaunam ied acimaronA .enoizubirtsid

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