



04/2017:1038

Mother tinctures comply with the requirements of the monograph *Mother tinctures for homoeopathic* preparations (2029).

Glycerol macerates are liquid preparations obtained from raw materials of botanical, zoological or human origin by using glycerol or a mixture of glycerol and either ethanol of a suitable concentration or a solution of sodium chloride of a suitable concentration.

HOMOEOPATHIC PREPARATIONS

Praeparationes homoeopathicae

DEFINITION

Homoeopathic preparations are prepared from substances, products or preparations called stocks, in accordance with a homoeopathic manufacturing procedure. A homoeopathic preparation is usually designated by the Latin name of the stock, followed by an indication of the degree of dilution and/or potentisation, if applicable.

Raw materials

Raw materials for the production of homoeopathic preparations may be of natural or synthetic origin.

For raw materials of pological or human origin, adequate measures are taken to minimise the risk of agents of infection, including viruses (5, .7), in the homoeopathic preparations. For this purpose, it is demonstrated that:

- the method of production includes a step or steps that have been shown to remove or inactivate agents of infection;
- where applicable, raw materials of zoological origin comply with the more ograph Products with risk of transmitting

Potentisation

Dilutions and triturations are obtained from stocks by a process of potentisation in accordance with a homoeopathic manufacturing procedure: this means successive dilutions and succussions, or successive appropriate triturations, or a combination of the 2 processes.

The potentisation steps are usually one of the following:

- 1 part of the stock plus 9 parts of the vehicle; they may be designated as 'D,' 'DH' or 'X' (decimal);
- 1 part of the stock plus 99 parts of the vehicle; they may be designated as 'C' or 'CH' (centesimal).

The number of potentisation steps defines the degree of dilution; for example, 'D3', '3 DH' or '3X' means 3 decimal potentisation steps, and 'C3', '3 CH' or '3C' means 3 centesimal potentisation steps.

'LM' potencies are manufactured according to a specific procedure with a 50 000 dilution factor by alternate steps of liquid dilution and impregnation of pillules. The number of

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General Notices (1) apply to all monographs and other texts

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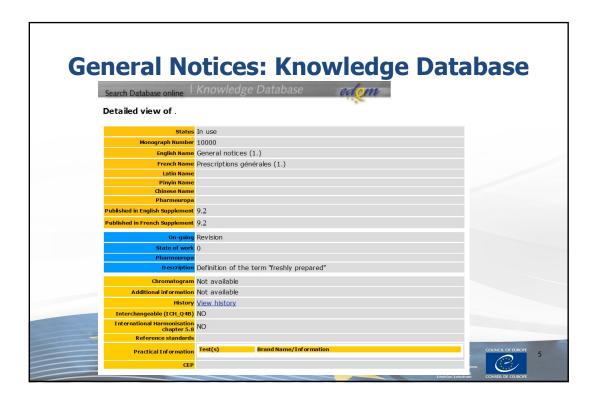
Raw materials for the production of homoeopathic preparations may be of natural or synthetic origin.

For raw materials of zoological or human origin, adequate measures are taken to minimise the risk of agents of infection, including viruses (5.1.7), in the h preparations. For this purpose, it is demonstrated that:

- the method of production includes a step or steps that have been shown to remove or inactivate agents of infection;
- where applicable, raw materials of zoological origin comply with the monograph Products with risk of transmitting agents of animal spongiform encepha
- where applicable, the animals and the tissues used to obtain the raw materials comply with the health requirements of the competent authorities for animonsumption;







General Notices: View History

SUPPLEMENT 8.2
Chanhar revised in order to address the consistency of production approach in the context of reduction of animal testing.

SUPPLEMENT 7.4
Indication of permitted limit of impurities: paragraph modified to reflect new way of expressing acceptance criteria

EDITION 7.0: corrected

SUPPLEMENT 6.7

of the new general chapter 5.1.8. Microbiological quality of herbal medicinal products for oral use, a definition for 'herbal medicinal product' has been added. The irrective 2001/83/ EC of the European Parliament and of the Council of the European Union.

SUPPLEMENT 6.5

11. General statements (conventional terms): definitions of a number of terms commonly used in monographs and general chapters are included. These definitions are useful additions to aid interpretation of Ph. Eur. texts.

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defined in national registation. The Certification is the user in a variety of security, of secu

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al Abstracts Service (CAS) Registry Number: CAS numbers are included in monographs for information in the 6th Edition; the statement included in the General Notices is a condition of CAS numbers from the American Chemical Society.

of use of CAS numbers from the American Chemical Society.

Production: Instruction's has been replaced by "mandatory requirements', since this corresponds better to the contents of the Production sections in monographs and clarifies the status.

Producted herbal drugs: a statement has been added to cover this new feature of monographs on herbal drugs.

Functionality-related characteristics of excipients: this paragraph has been revised in the light of developments in excipient monographs.

Reference standards: this section has been abbreviated and a reference to the new general chapter 5.12 Reference standards added.

Conventional terms

Definitions (introduced in supplement 6.5)

- ✓ Medicinal product: the definition is that stated in Directives 2001/82/EC (as amended by Directive 2004/28/EC) and 2001/83/EC (as amended by Directive 2004/27/EC).
- √ Herbal medicinal product
- ✓ Active substance
- ✓ Excipient (auxiliary substance)

Meanings of terms employed in the pharmacopoeia

- √"competent authority"
- √"unless otherwise justified and authorised"
- the definitions refer only to terms used in the Ph. Eur. and do not contradict the same terms already defined in national legislation.

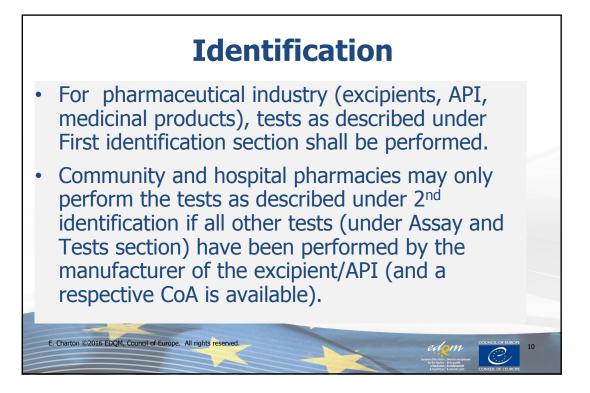
Flexibility in the Ph.Eur. -Alternative methods

- ➤ Ph. Eur. tests are reference methods, essential in cases of dispute.
- ➤ Compliance is required, but alternative methods may be used as long as they lead to the same pass/fail result.
- ➤ It is the responsibility of the user to demonstrate their suitability. Approval of the competent authority is necessary in many cases.









Human and veterinary use

- Unless otherwise stated, monographs cover human and veterinary use.
- Where a substance is used in both human and veterinary products, the same quality specification is applied.
- When the monograph title bears "for veterinary use" the substance is intended only for veterinary products.

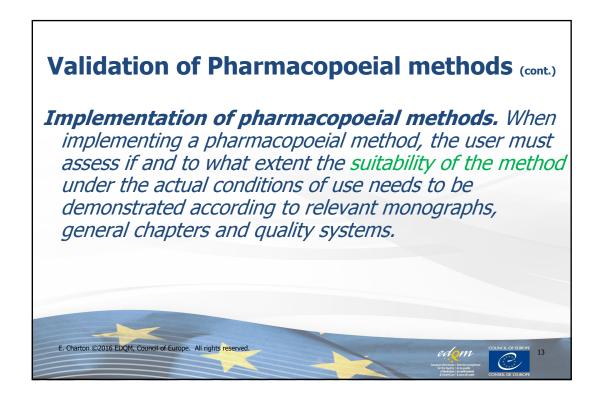


Validation of Pharmacopoeial methods

"The **test methods** given in monographs and general chapters have been validated in accordance with accepted scientific practice and current recommendations on analytical validation. Unless otherwise stated in the monograph or general chapter, validation of the test methods by the analyst is not required."







Position of the Ph. Eur. with regard to adulteration of drugs

The Ph. Eur. cannot prevent any criminal activity in the field of medicines

However: several incidents have occurred within a short period of time (heparins, melamine, adulteration of glycerol with diethylene glycol) which has lead Ph. Eur. Commission to take a position on this issue

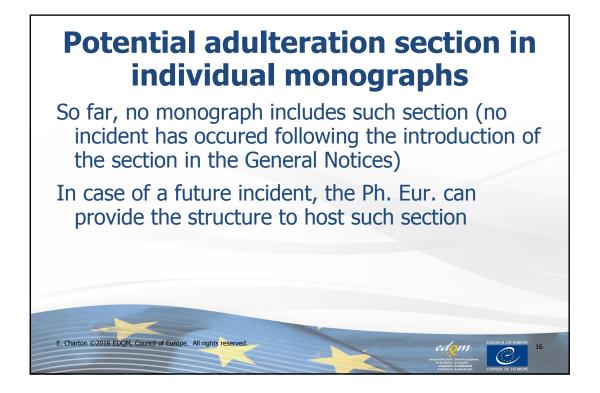
Decision to include a Potential adulteration section in the General Notices

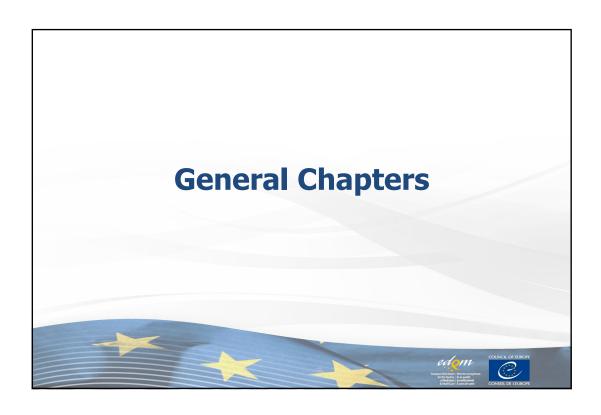


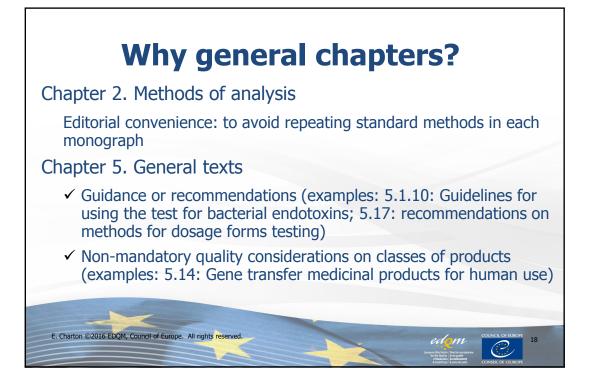












General chapters

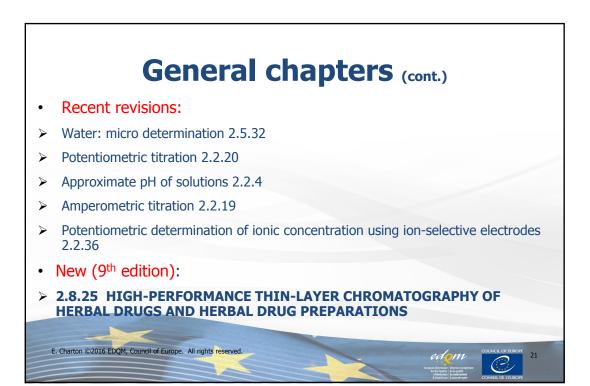
- Not mandatory "per se"
- When referred to in a monograph, they become part of the standard
- Can be used for substances not covered by monographs, may need validation
- Some general chapters are not referred to in any monograph (2.4.48 Raman spectrometry, Chapter 5.20 Metal catalysts or metal reagent residues): they provide useful guidance and can be referred to in applications

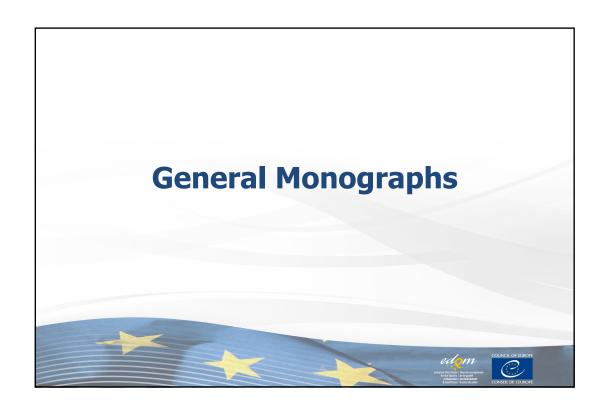


General chapters (cont.)

- Example: Chromatographic separation techniques, 2.2.46
- Provides definitions and calculations of common parameters (peak, retention time, resolution etc)
- ➤ Defines permitted deviations to adjust chromatographic conditions, e. g. composition of mobile phase, column length, particle size etc. without re-validation
- Provides general system suitability parameter, not given in the individual monograph, symmetry factor 0.8 to 1.5







General monographs

- General monographs on classes of substances
 - Quality aspects that cannot be treated in each individual monograph (e.g. residual solvents)
 - Quality aspects that are common to a class of products (e.g. vaccines for human use)
 - Classes defined by different criteria: production method, origin, risk factors (e.g. fermentation, TSE risk)
- General monographs on dosage forms

General monographs apply to all substances and preparations within the scope of the Definition section of the general monograph

No cross-reference in individual monographs: *Check which monograph applies!*

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Substances for pharmaceutical use (2034)

- Definition: Substances for pharmaceutical use are any organic or inorganic substances that are used as active substances or excipients for the production of medicinal products for human or veterinary use.
- Requirements laid down in this general monograph apply to all substances for pharmaceutical use whether or not the substance is covered by an individual monograph.
- Consists of the following sections: production, characters, identification, tests, assay, labelling.







- reference source of standards in the European Pharmacopoeia on active substances, excipients and dosage forms, which are to be applied in the manufacture/preparation of pharmaceuticals, but not a guide on how to manufacture as there is specific guidance available covering methods of manufacture and associated controls.
- does not cover investigational medicinal products, but competent authorities may refer to pharmacopoeial standards when authorising clinical trials using investigational medicinal products.

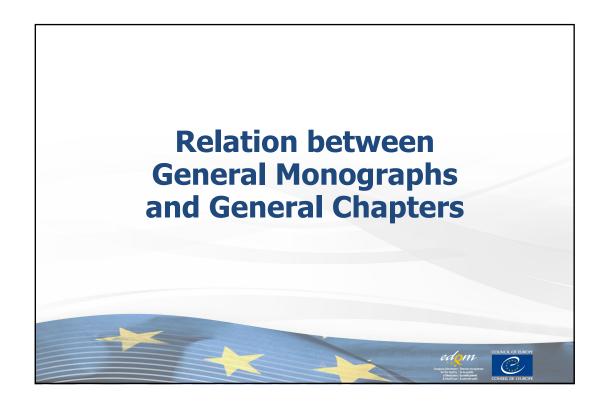
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Examples of general monographs of relevance to homoeopathic products

- Pharmaceutical preparations (2619)
- Homoeopathic preparations (1038)
- Herbal drugs for homoeopathic preparations (2045)
- Mother tinctures for homoeopathic preparations (2029)
- Pillules for homoeopathic preparations (2045)
- Homoeopathic pillules, impregnated (2079)
- Homoeopathic pillules, coated (2786)
- Etc...







Which has priority, a general monograph or an individual monograph?

- Basic principle is that general and individual monographs are complementary and one does not overrule the other.
- Exceptions are clearly indicated either in the general monograph or in the individual one.







"General monographs and individual monographs are complementary. If the provisions of a general monograph do not apply to a particular product, this is expressly stated in the individual monograph."

General notices

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5.20 Elemental impurities



- will reproduce the essentials of ICH Q3D guideline,
- will be cross-referenced in general monograph 2034,
- will be cross-referenced in general monograph 2619,
- and will become mandatory as from 1st January 2018 (supplement 9.3)







- Emphasises the importance of carrying out a risk assessment on viral safety of materials of human or animal origin
- Cross reference to 5.1.7 in general monographs on preparations, i.e. homoeopathic preparations, allergens, extracts, immunosera, monoclonal antibodies, products of recombinant DNA technology, vaccines and substances for pharmaceutical use

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5.2.8. Minimising the risk of transmitting animal spongiform encephalopathy agents via human and veterinary medicinal products

- Identical with the EMA Note for Guidance on Minimising the Risk of Transmitting Animal Spongiform Encephalopathy Agents via Human and Veterinary Medicinal Products -
- 5.2.8 is referred to in General monograph 1483 Products with risk of transmitting agents of animal spongiform encephalopathies







- Implements chapter 5.2.8, which is a transcription of the CPMP/CVMP Note for Guidance (NfG)
- Chapter 5.2.8 is revised when NfG updated
- Compliance with NfG is mandatory via EU directive
- Certification via monograph can be used to demonstrate compliance
- Applies to complete production chain

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Before using the Ph. Eur., please: • read the General Notices • check which general text applies

