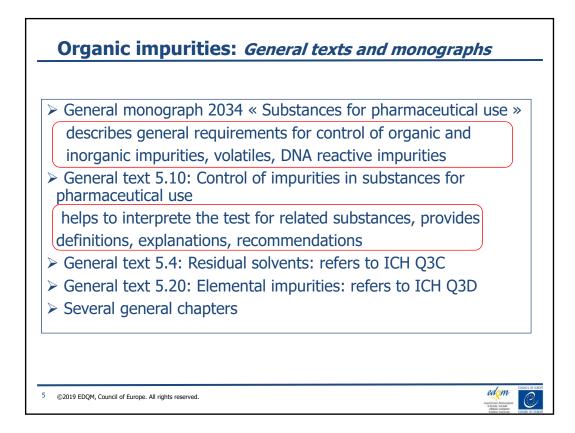
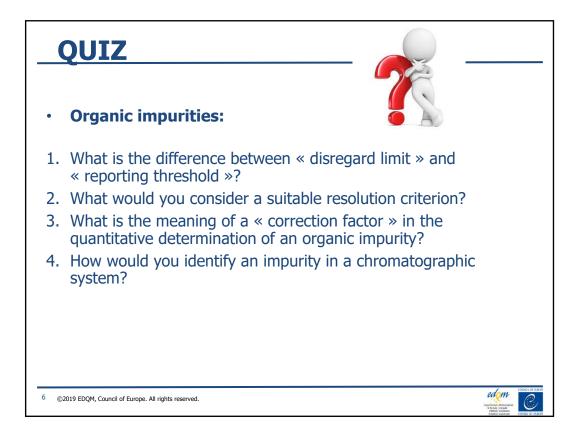


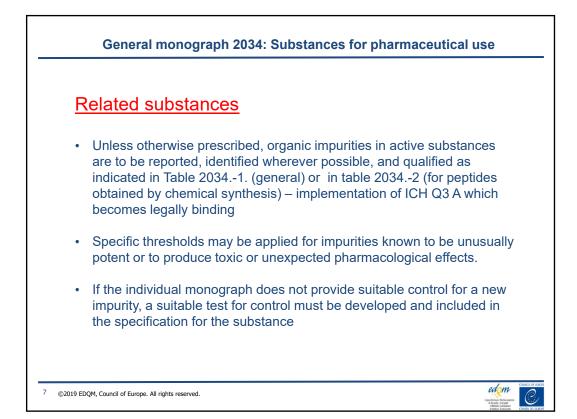




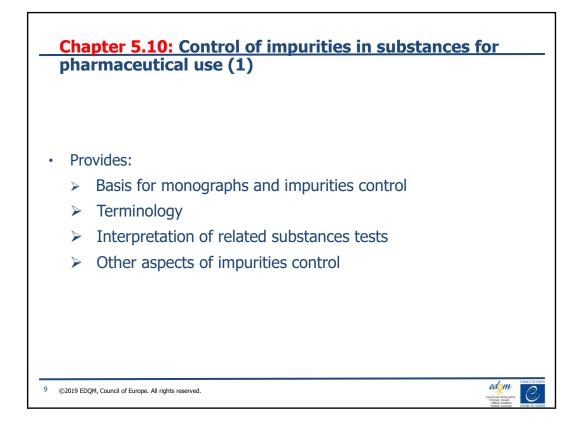
Control of impuritie	s in Ph. Eur.
Organic impurities	Inorganic impurities
Volatile impurities, Water and residual solvents	Special groups, e.g. genotoxic (DNA reactive) imps, inorganics subjected to Q3D
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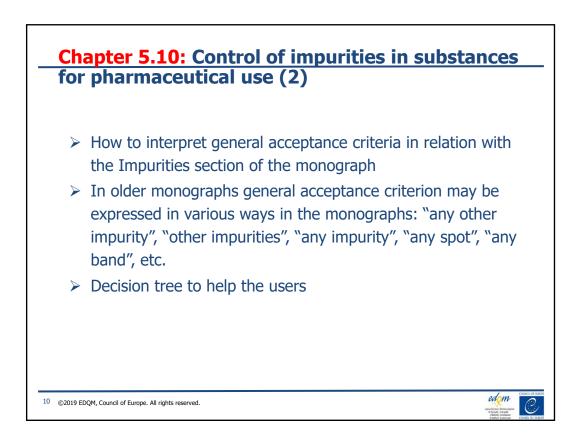


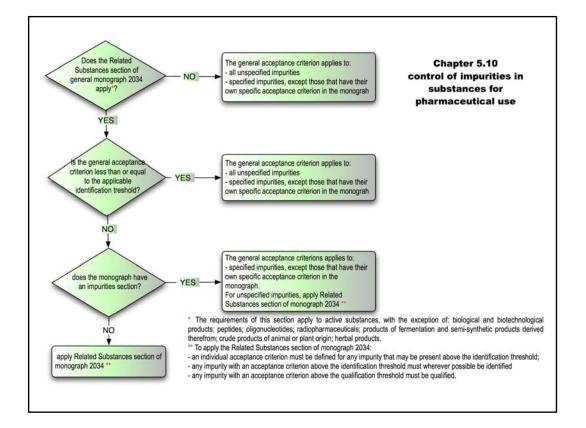


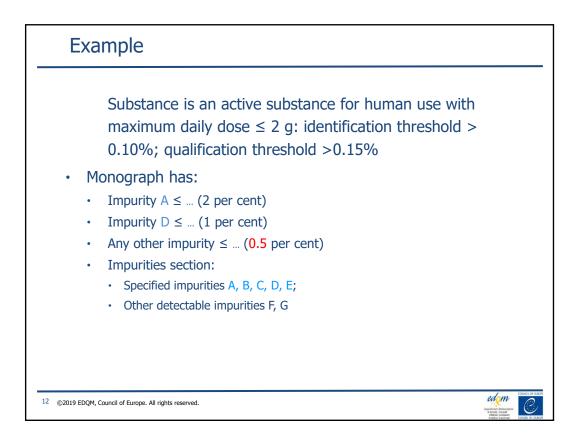


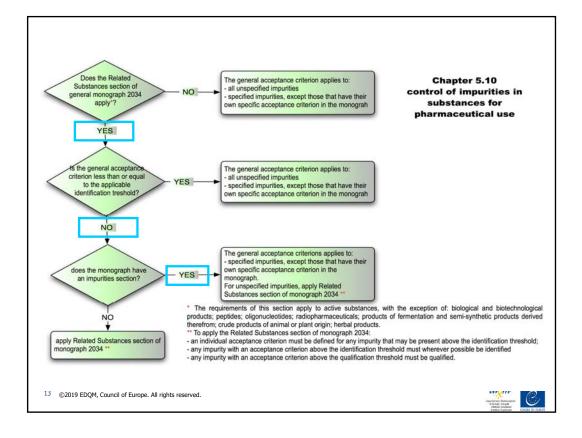
ptides, Tal	ble 2034.1			
Use	Maximum daily dose	Reporting threshold	Identification threshold	Qualification threshold
Human or human and veterinary	≤ 2 g /day	>0.05 per cent	>0.10 per cent or daily intake >1.0 mg (whichever lower)	>0.15 per cent or daily intake >1.0 mg (whichever lower)
Human or human and veterinary	> 2 g/day	>0.03 per cent	>0.05 per cent	> 0.05 per cent
Veterinary only	Not applicable	>0.10 per cent	>0.20 per cent	>0.50 per cent

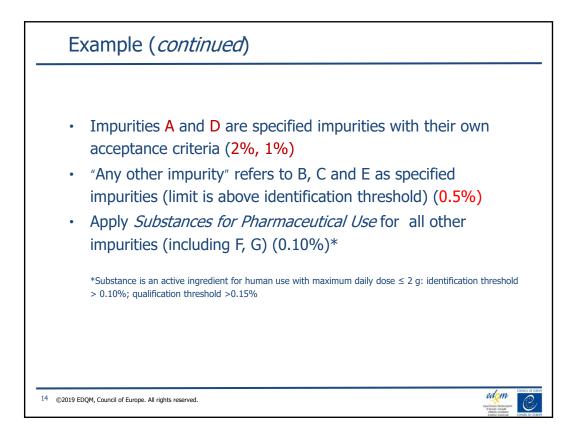


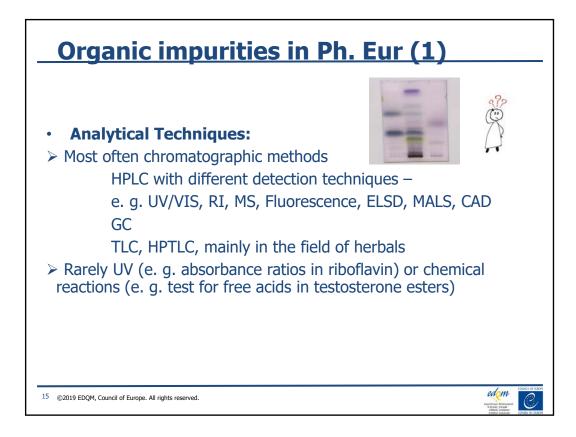


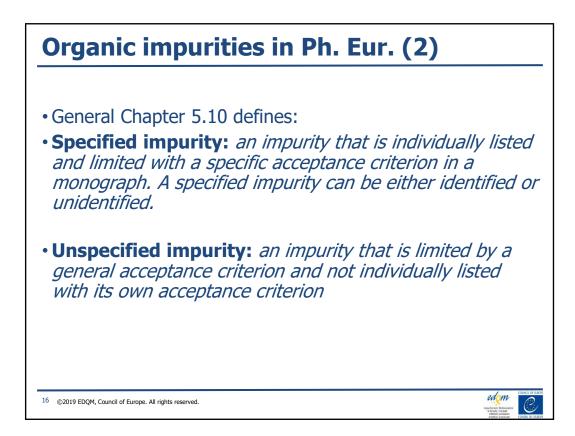














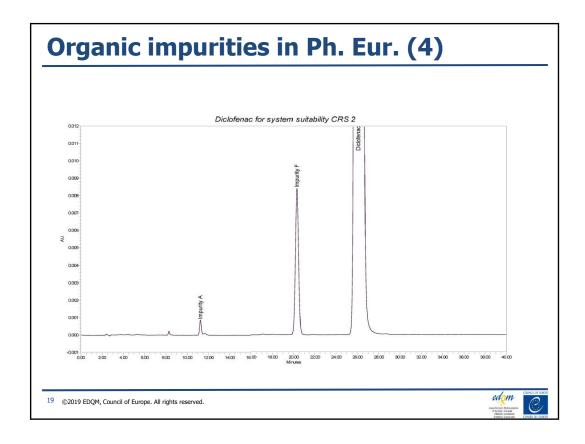
Organic impurities in Ph. Eur. (3)

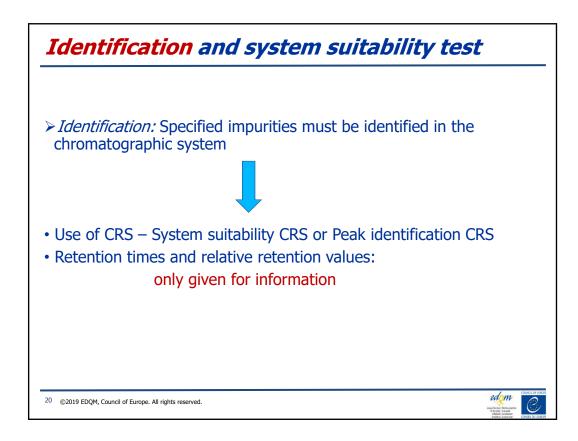
Monograph Diclofenac sodium

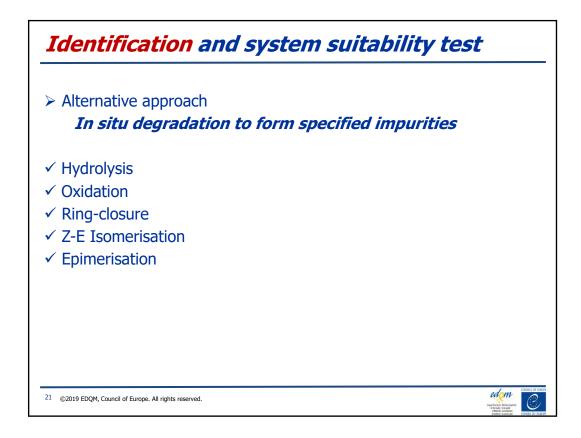
- Identification of impurities : use the chromatogram supplied with <u>diclofenac for system</u> <u>suitability CRS</u> and the chromatogram obtained with reference solution (b) to identify the peaks due to impurities A and F.
- *Relative retention* with reference to diclofenac (retention time = about 25 min): impurity A = about 0.4; impurity F = about 0.8.
- System suitability: reference solution (b):
- - resolution: minimum 4.0 between the peaks due to impurity F and diclofenac.
- Calculation of percentage contents:
- correction factors. multiply the peak areas of the following impurities by the corresponding correction factor: impurity A = 0.7; impurity F = 0.3;
- - for each impurity, use the concentration of diclofenac sodium in reference solution (a).
- Limits.
- - impurity A: maximum 0.2 per cent;
- - impurity F: maximum 0.15 per cent;
- - unspecified impurities: for each impurity, maximum 0.10 per cent;
- - total: maximum 0.4 per cent;
- - reporting threshold: 0.05 per cent.

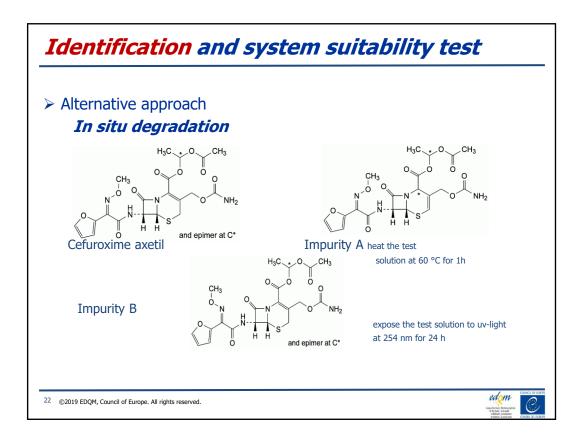
9

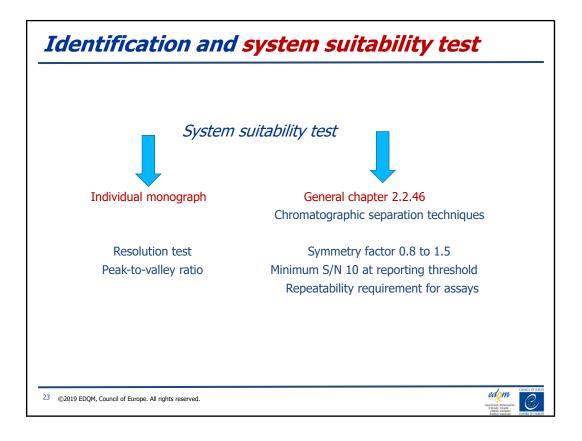
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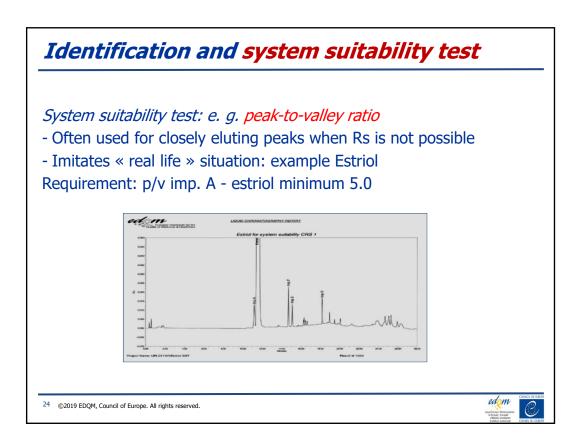


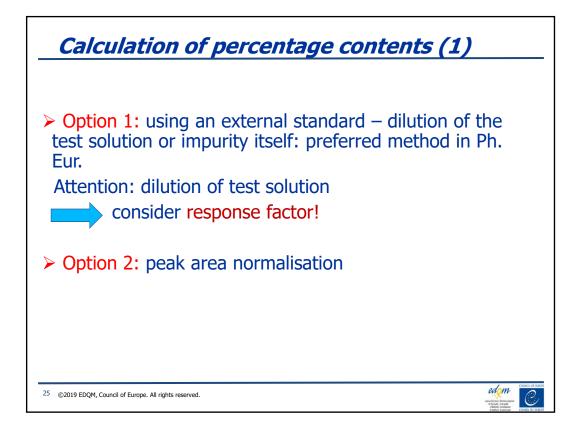


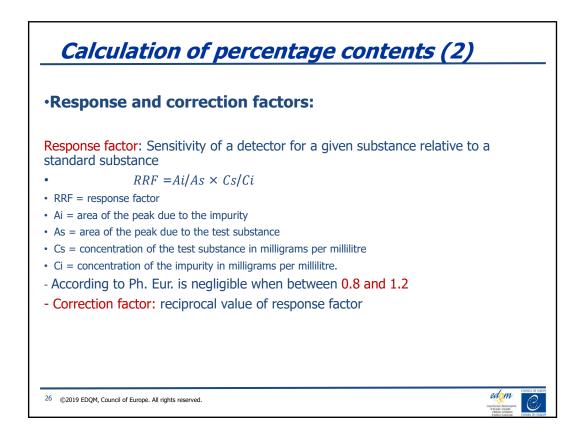


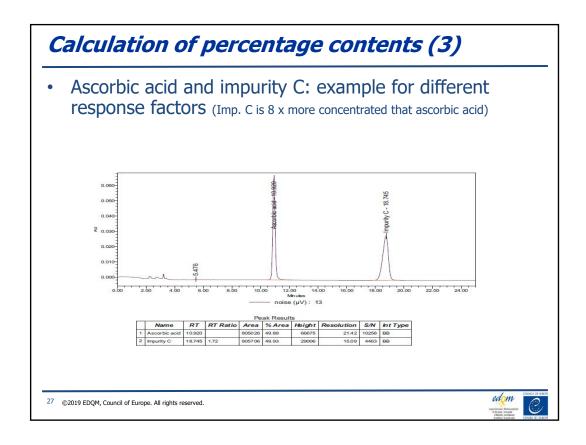


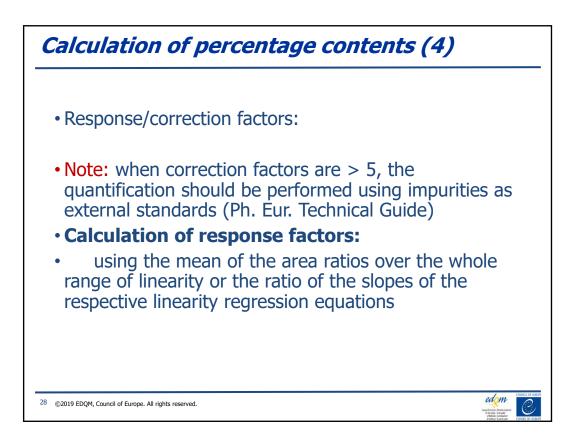


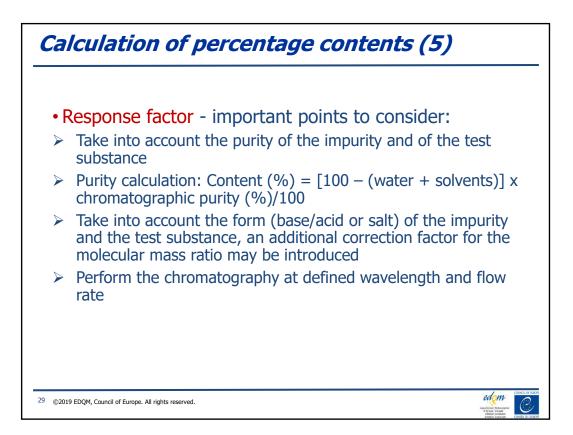


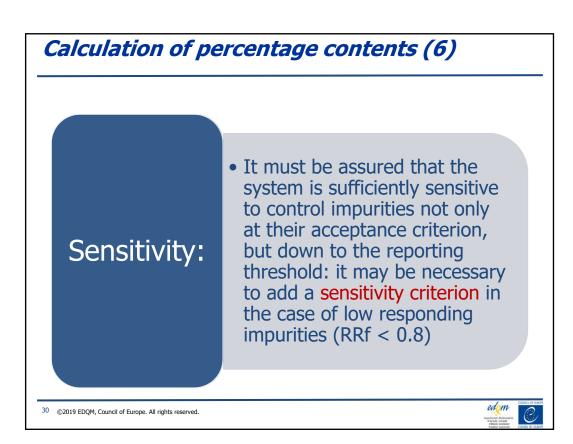


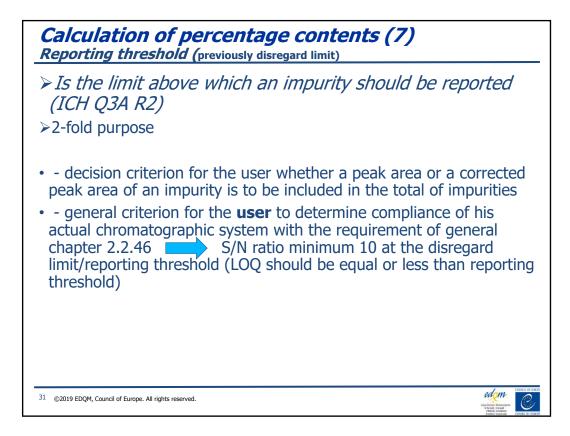


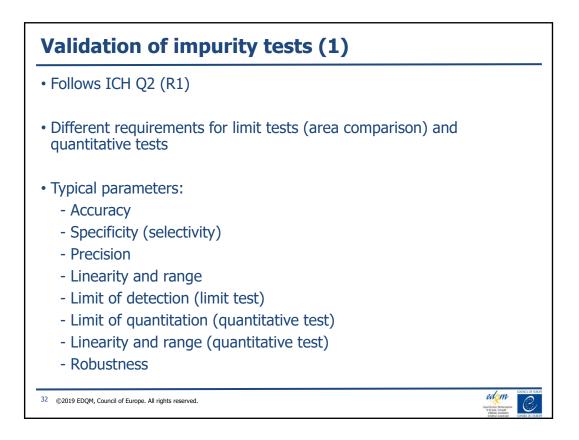


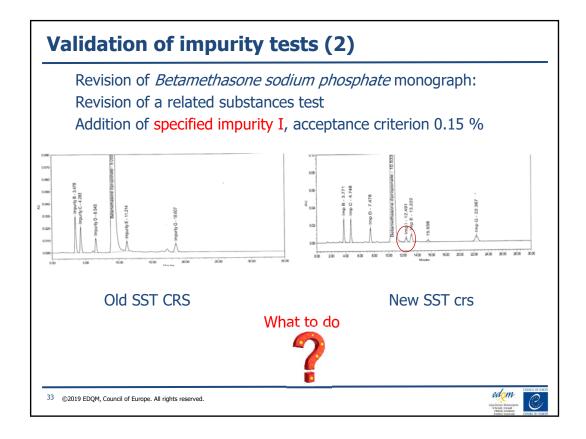


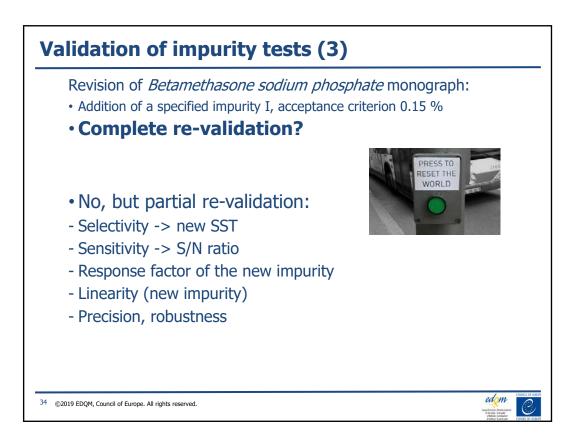


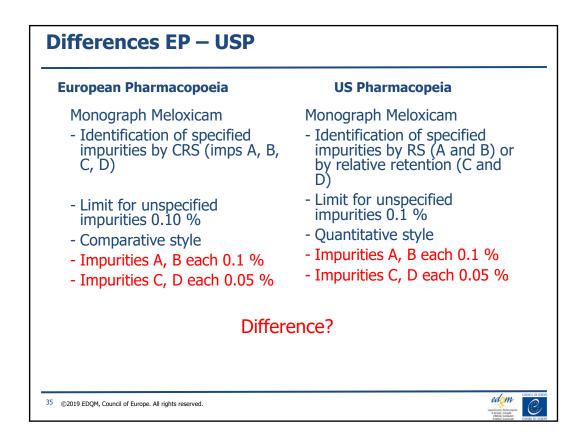


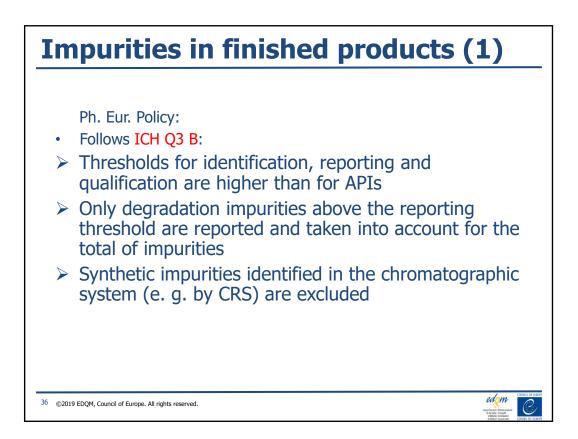


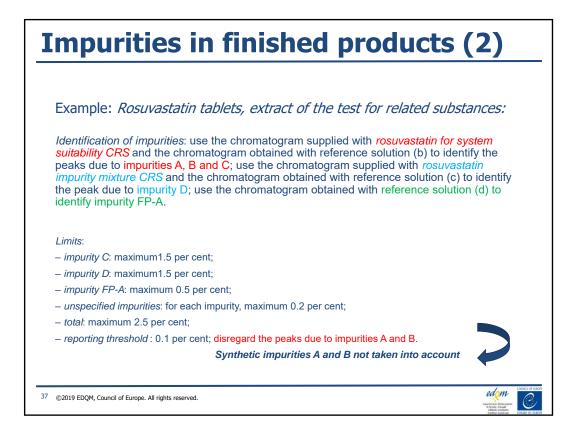


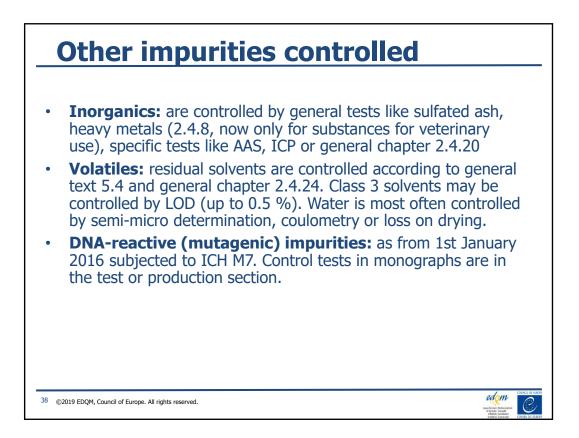


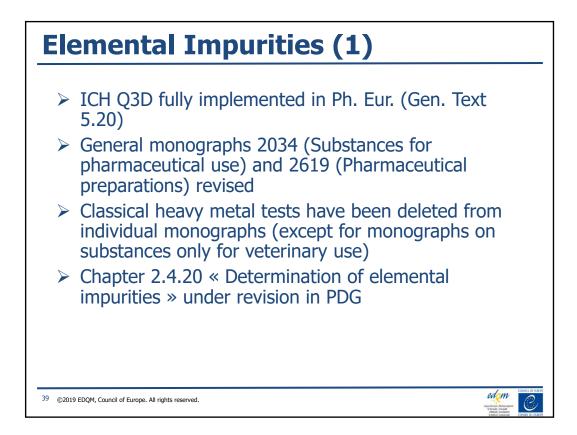


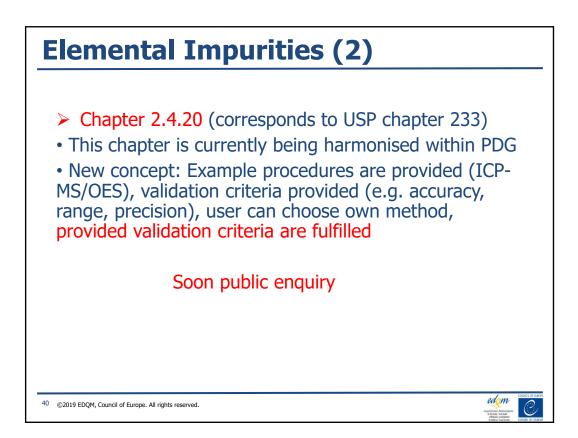












Elemental Impurities (3) Specific elemental impurity tests

- No systematic deletion from individual monographs
- Particular case: substances of natural origin, e. g. mined excipients:



- Some case-by-case decisions: e. g. Methylthioninium chloride

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