#### Dialogue between Members of the HMA-WG HMPWG and Interested Parties AESGP, ECHAMP, EUCOPE Vienna – 17.10.2018

## Safety of Homeopathic Medicinal Products (Art. 14 and Art. 16.2) – Calculation of First Safe Dilutions (FSD)

# Dossier: Adequate use of the list of FSD and PtC

Final dilution equal or higher than FSD (Art. 14 & 16.2)

Column 8 (FSD) of the list of FSD is relevant as reference:

1	2	3	4	5	6	7	8	9
Stock/ raw/ starting material	Method of preparation	Toxic component concentration	Basis for FSD	Acceptable amount	Reference(s) (HMPWG)	Calculatio n method	FSD	Remarks (HMPWG)

No further action regarding proof of safe potency is necessary.

Final dilution lower than FSD (Art. 14 & 16.2)

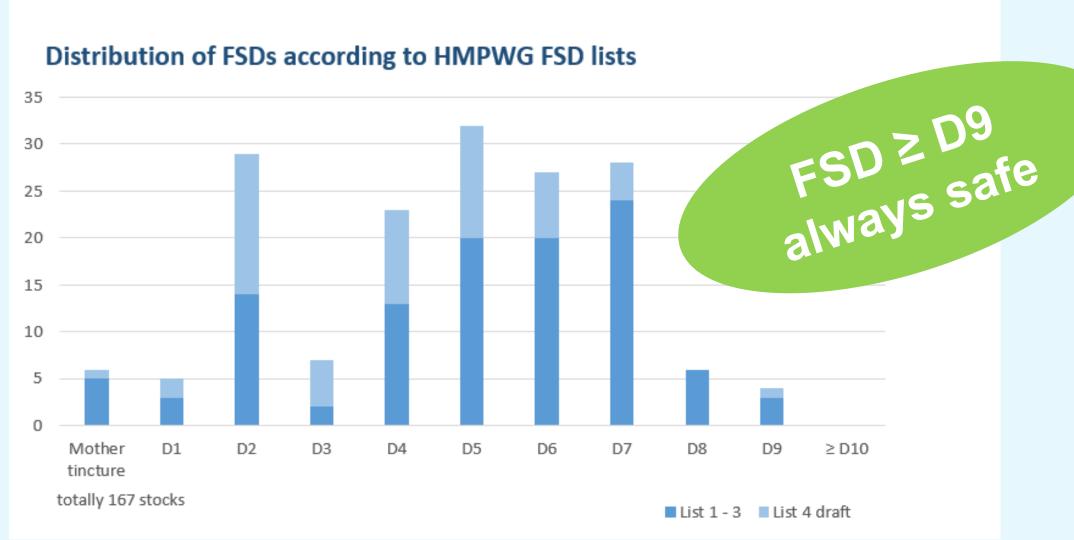
Column 5 (acceptable amount) of the list of FSD is relevant as reference:

1	2	3	4	5	6	7	8	9
Stock/ raw/ starting material	Method of preparation	Toxic component concentration	Basis for FSD	Acceptable amount	Reference(s) (HMPWG)	Calculation method	FSD	Remarks (HMPWG)

Further action regarding proof of safe potency is necessary, e.g. compile Module 4

If necessary for patient safety, include special warnings in label reg. patient groups, maximum daily intake, duration of use

# HMPWG FSD lists show that no FSD is > D9



### FSD – Calculation basis

According to HMPWG PtC	daily dosage of 10 g /10 ml	Most conservative approach		
Not required by PtC	lifelong daily application	Highly unrealistic add on		
but implemented additionally	lifelong bodyweight of 3 kg	Highly unrealistic add on		

All three conditions together are highly unlikely, even for chronic diseases

#### Calculations of the worst-case-FSD show

Ph.Eur. Monograph 2371

(assuming the whole plant material is toxicologically relevant)

Method 1.1.1 (HAB 1a): 10 g D8 contain 0.1 μg plant material < TTC 0.15 μg Method 1.1.3 (HAB 2a): 10 g D9 contain 0.0166 μg plant material < TTC 0.15 μg Method 1.1.4 (HAB 2b): 10 g D9 contain 0.0166 μg plant material < TTC 0.15 μg

Method 1.1.5 (HAB 3a): 10 g D9 contain 0.0166 μg plant material < TTC 0.15 μg Method 1.1.6 (HAB 3b): 10 g D9 contain 0.0166 μg plant material < TTC 0.15 μg

Method 1.1.7 (HAB 3c): 10 g D9 contain 0.0166 μg plant material < TTC 0.15 μg

Method 1.1.8 (HAB 4a): 10 g D8 contain 0.1 μg plant material < TTC 0.15 μg Method 1.1.10 (Fr. Ph.): 10 g D7 contain 0.1 μg plant material < TTC 0.15 μg

#### PDE ICH Q3D Acceptable amount (FSD lists, with weight adjustment to 3 kg bw) for all age groups when declared active substance as impurity 9.9\* 150\* Ag 72\* 1200\* Sb 300\*\* 3000\* Cu 300\*\* 13000\*\*\* \*\* Reference: Scientific Opinion on nutrient requirements and dietary intakes of infants and young

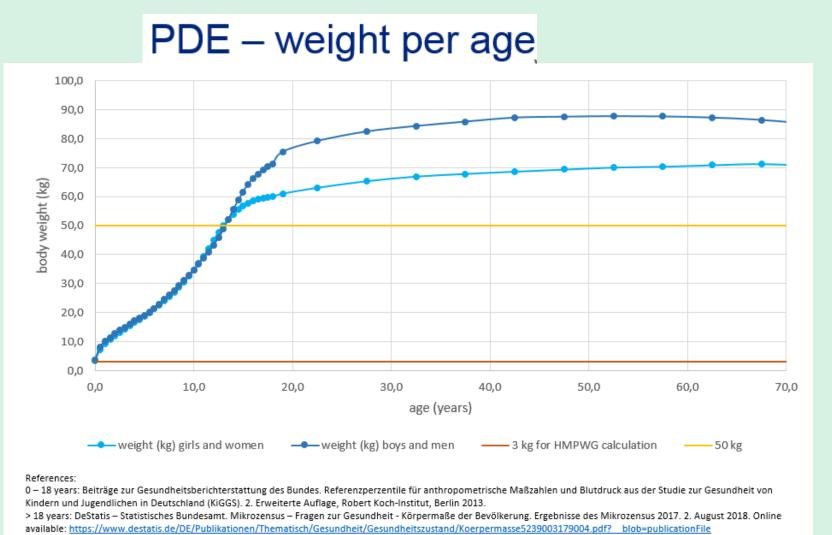
\*\*\*Reference Guideline on the Specification Limits for Residues of Metal Catalysts or Metal

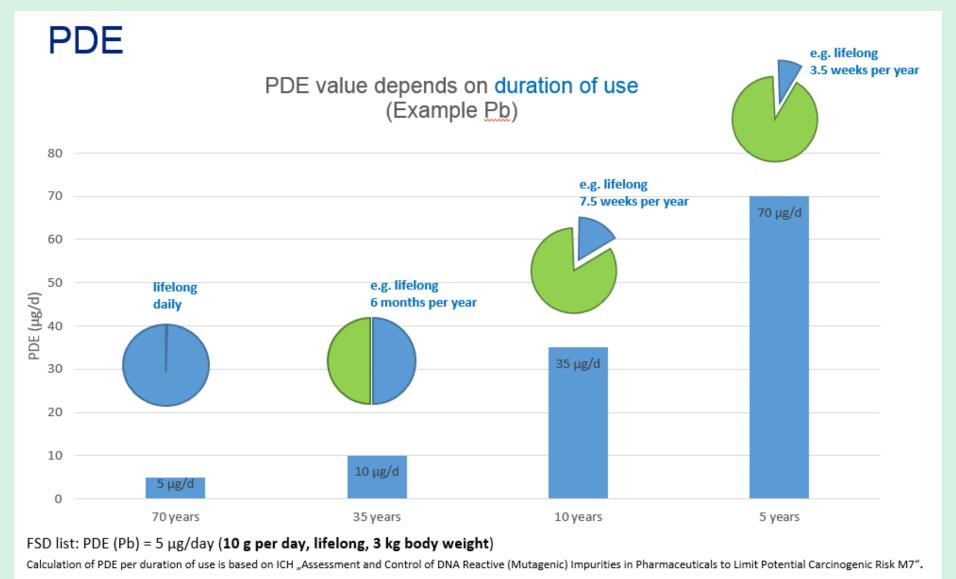
Reagents (EMEA/CHMP/SWP/4446/2000)

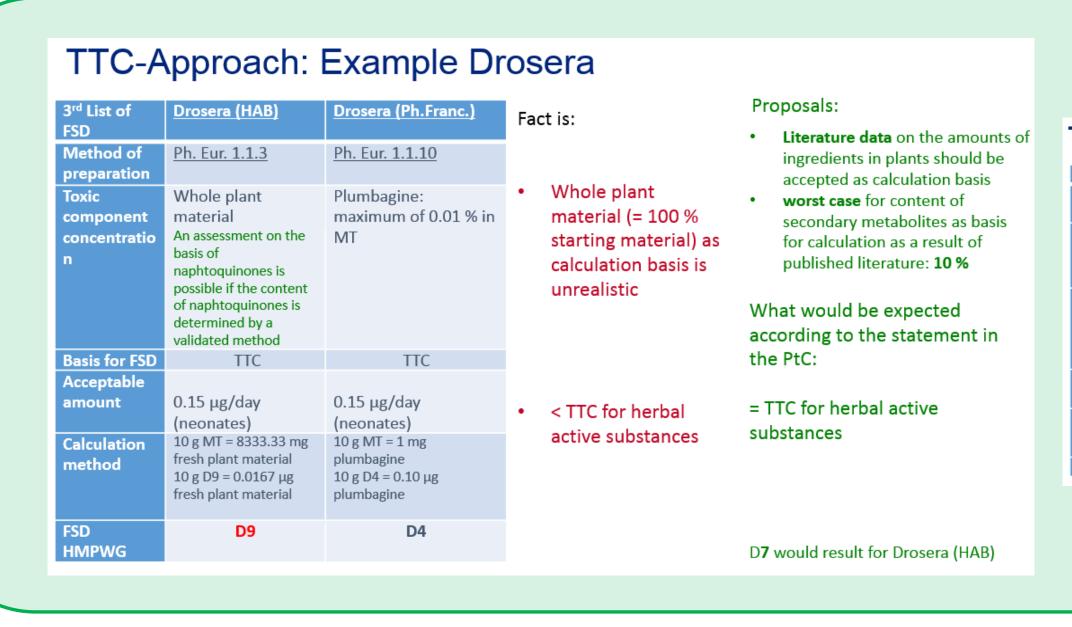
Fact is: From a toxicological point of view, it should not matter how the toxicologically relevant component is In general: higher declared in medicinal acceptable amounts for products. The acceptable impurities are allowed amounts should be the than for hom. active substances Proposals:

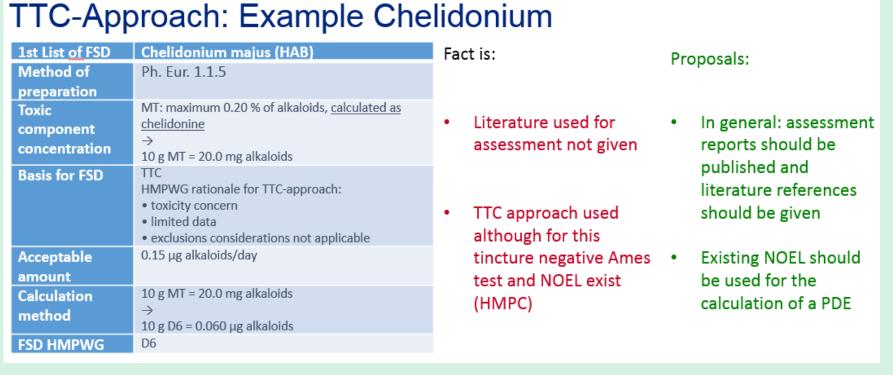
Additional weight No additional weight adjustment\* for PDEs adjustment for hom. active substances

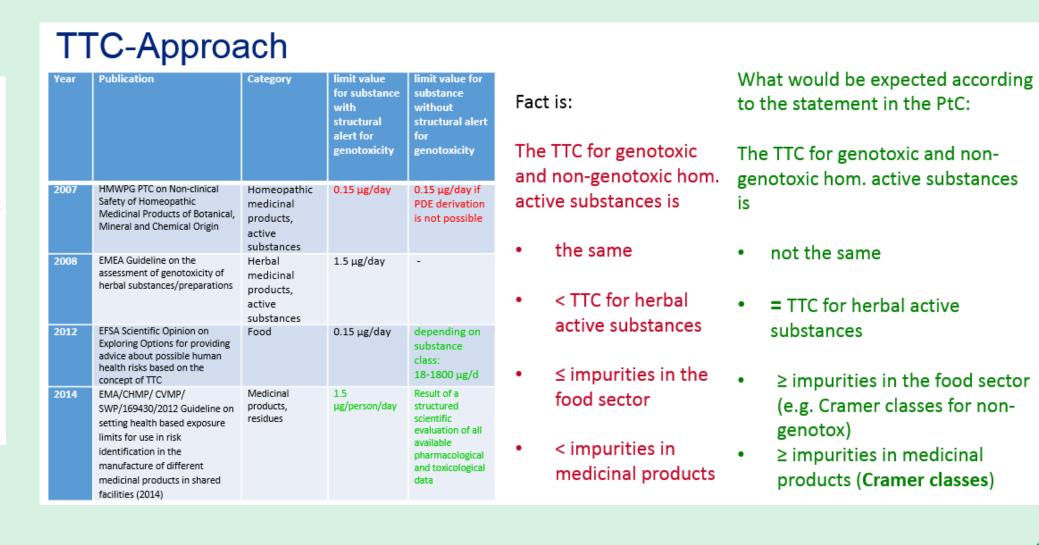
 In general: Use of adequate literature recommendations\*\* references with give no maximum toxicological data toxicological limits

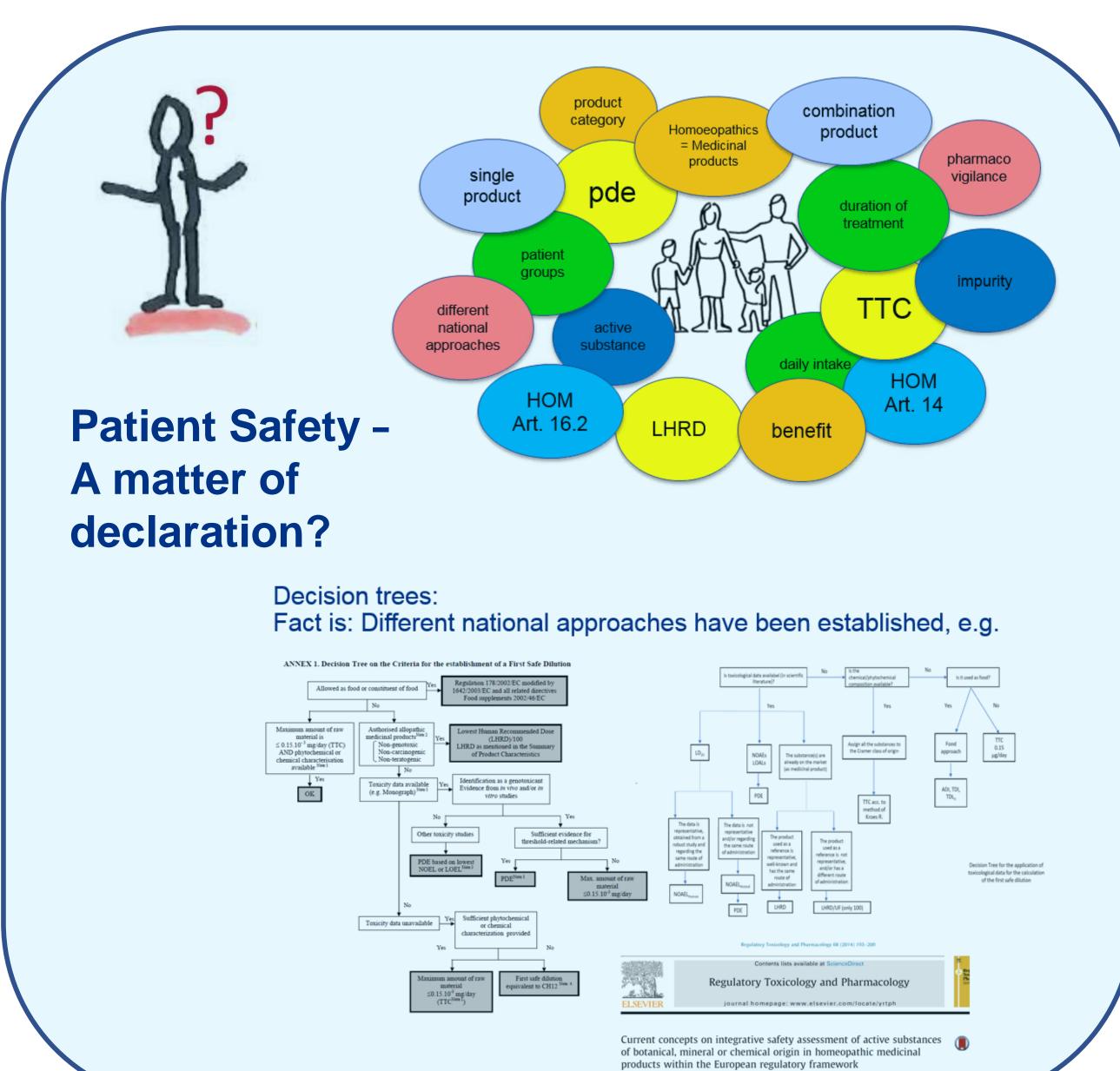












# Proposals and points of discussion

- Acceptable amount (concentration) should be reference basis for product specific calculations instead of FSD expressed as D- or C-potency
- Different acceptable amounts depending on product category scientifically not adequate Same evaluation criteria for homeopathic medicinal products as for other medicinal products
- At least same evaluation criteria for homeopathic active substances as for impurities in
- homeopathic medicinal products
- FSD ≥ D9 is always safe (instead of C12 / D24)
- Discuss inclusion of special warning in the label of Art. 14 (patient groups, max. daily intake, duration of use), if necessary
- Discuss PDE calculation without further weight adjustment
- TTC approach: same as for herbal medicinal products, application of Cramer classes
- Define consequences for registration acc. to Art. 14 in case FSD results below 1/10,000 (Ø D3)
  - One European standard is appreciated.
  - Transparent and comprehensible assessment of scientific data (incl. Assessment Reports, also updating, Cramer classes).
  - No discrimination in categories by legal definition, same criteria for homeopathic medicinal products.