In red , the possible changes compared to current legislation

2.4	Pyrrolizidine alkaloids	Maximum levels (µg/kg)	Remarks
		The maximum level refers to the lower bound sum of the following 21 pyrrolizidine alkaloids: - intermedine/lycopsamine, intermedine-N-oxide/lycopsamine-N-oxide, senecionine/senecivernine, senecionine-N-oxide/senecivernine-N-oxide, seneciphylline, seneciphylline-N-oxide, retrorsine, retrorsine-N-oxide, echimidine, echimidine-N-oxide, lasiocarpine, lasiocarpine-N-oxide, senkirkine, europine, europine-N-oxide, heliotrine and heliotrine-N-oxide and the following additional 14 pyrrolizidine alkaloids known to co-elute with one or more of the above identified 21 pyrrolizidine alkaloids, making use of certain currently used analytical methods: - indicine, echinatine, rinderine (possible co-elution with lycopsamine/intermedine), indicine-N-oxide, echinatine-N-oxide, rinderine-N-oxide (possible co-elution with lycopsamine-N-oxide/intermedine-N-oxide), integerrimine (possible co-elution with senecivernine/senecionine), integerrimine-N-oxide (possible co-elution with senecivernine-N-	For the pyrrolizidine alkaloids, maximum levels refer to lower bound concentrations, which are calculated on the assumption that all the values below the limit of quantification are zero.

		oxide/senecionine-N-oxide), heliosupine (possible co-elution with echimidine), heliosupine-N-oxide (possible co-elution with echimidine-N-oxide), spartioidine (possible co-elution with seneciphylline), spartioidine-N-oxide (possible co-elution with seneciphylline-N-oxide), usaramine (possible co-elution with retrorsine), usaramine N-oxide (possible co-elution with retrorsine N-oxide). Pyrrolizidine alkaloids, which can be individually and separately identified with the used method of analysis, shall be quantified and included in the sum.	
2.4.1	Borage leaves (fresh, frozen) placed on the market for the final consumer	750	Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants.
2.4.2	Dried herbs except products listed in 2.4.3 and 2.4.3.a Mixtures of dried herbs composed of < 50% of dried herbs listed in 2.4.3. and 2.4.3a combined	400	Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants. The ML are applicable to the edible part which might include the roots
2.4.3	Borage, lovage, marjoram and oregano (dried product), parsley, sage, California poppy, purple coneflower, cardoon, feverfew, and artichoke, and mixtures exclusively composed of these dried herbs	1000	Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants. The ML are applicable to the edible part which might include the roots

2.4.3a	Lemon balm, chamomille, peppermint, nettle leaves, tarragon, dandelion, dill leaves, blackberry leaves, raspberry leaves, horsetail, passionflower, hedge mustard, centella, goldenrod, bear's garlic and melilot and mixtures exclusively composed of these dried herbs Mixtures of dried herbs composed of ≥ 50% of dried herbs listed in 2.4.3. and 2.4.3a combined	700	Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants. The ML are applicable to the edible part which might include the roots
2.4.4	Tea (*Camellia sinensis*) and flavoured tea ([12]) (*Camellia sinensis*) (dried product) except tea and flavoured tea referred to in 2.4.5	150	For teas with dried fruits and dried herbs, Article 3 applies. 'Tea (*Camellia sinensis*) (dried product)' refers to: - tea (*Camellia sinensis*) (dried product) from dried leaves, stalks and flowers (in sachets or in bulk) used for the preparation of tea (liquid product); and - instant teas. In the case of powdered tea extracts, a concentration factor of 4 has to be applied.
2.4.5	Tea (*Camellia sinensis*), flavoured tea ([12]) (*Camellia sinensis*) and herbal infusions (dried product) and ingredients used for herbal infusions (dried products) for infants and young children	75	For teas with dried fruits and dried herbs, Article 3 applies.
2.4.6	Tea (*Camellia sinensis*), flavoured tea ([12]) (*Camellia sinensis*) and herbal infusions (liquid product) for infants and young children	1,0	For teas with dried fruits and dried herbs, Article 3 applies.

2.4.7	Herbal infusions (dried product) and ingredients used for herbal infusions (dried products) except products listed in 2.4.5, 2.4.8 and 2.4.8a Mixtures of herbal infusions composed of < 50% of herbal infusions listed in 2.4.8. and 2.4.8a combined except herbal infusions referred to in 2.4.5	200	'Herbal infusions (dried product)' refers to: - herbal infusions (dried product) from flowers, leaves, stalks, roots, and any other parts of the plant (in sachets or in bulk) used for the preparation of herbal infusion (liquid product); and - instant herbal infusions. In the case of powdered extracts, a concentration factor of 4 has to be applied. Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants.
2.4.8	Herbal infusions (dried product) and ingredients used for herbal infusions (dried products) of rooibos, anise (*Pimpinella anisum*), ~~chamomille~~, thyme, ~~lemon balm, peppermint~~, lemon verbena and meadowsweet and mixtures exclusively composed of these dried herbs except herbal infusions referred to in 2.4.5 Mixtures of herbal infusions composed of ≥ 50% of herbal infusions listed in 2.4.8. and 2.4.8a combined except herbal infusions referred to in 2.4.5	400	'Herbal infusions (dried product)' refers to: - herbal infusions (dried product) from flowers, leaves, stalks, roots, and any other parts of the plant (in sachets or in bulk) used for the preparation of herbal infusion (liquid product); and - to instant herbal infusions. In the case of powdered extracts, a concentration factor of 4 has to be applied. Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants.
2.4.8a	Herbal infusions (dried product) and ingredients used for herbal infusions (dried products) of nettle leaves, lemon balm, chamomile, peppermint, blackberry leaves, raspberry leaves and goldenrod and mixtures	700	'Herbal infusions (dried product)' refers to: - herbal infusions (dried product) from flowers, leaves, stalks, roots, and any other parts of the plant (in sachets or in bulk) used for the preparation of

	exclusively composed of these herbal infusions except herbal infusions referred to in 2.4.5		herbal infusion (liquid product); and - to instant herbal infusions. In the case of powdered extracts, a concentration factor of 4 has to be applied. Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants.
2.4.9	Dried spices		
2.4.9.1	Cumin and aniseed	400	
2.4.9.2	Fennel seed	200	
2.4.10	Food supplements		
	~~**Option 1 no change with current legislation**~~		
~~2.4.10.1~~	~~Food supplements containing botanical preparation ([13]) including extracts except products listed in 2.4.10.2~~	~~400~~	~~The maximum level applies to the food supplements as placed on the market.~~ ~~Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants.~~
~~2.4.10.2~~	~~Pollen based food supplements~~ ~~Pollen and pollen products~~	~~500~~	~~The maximum level applies to the food supplements as placed on the market.~~
	~~**Option 2 – approach proposed for discussion**~~		

2.4.10.1	Food supplements containing botanical preparation ([13]) including extracts except products listed in 2.4.10.2 and 2.4.10.3 Food supplements of mixtures of dried herbs /extracts composed of < 50 % of dried herbs/extracts listed in 2.4.3. and 2.4.3a combined	400	The maximum level applies to the food supplements as placed on the market. Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants.
2.4.10.2	Food supplements containing botanical preparation ([13]) including extracts from dried herbs listed 2.4.3. and 2.4.3a. Food supplements of mixtures of dried herbs /extracts composed of ≥ 50 % of dried herbs/extracts listed in 2.4.3. and 2.4.3a combined	800	The maximum level applies to the food supplements as placed on the market. Without prejudice to more restrictive national rules in certain Member States on the placing of the market of pyrrolizidine alkaloid containing plants.
2.4.10.3	Pollen based food supplements Pollen and pollen products	500	The maximum level applies to the food supplements as placed on the market.
2.4.11	*Psyllium**	*400*	*The ML is applicable to Psyllium placed on the market for the final consumer or used as ingredient in food.*

- for discussion – no data are available

Addition of latin name to the different herbs

- Chamomile (*Matricaria chamomilla L*.)
- Peppermint (*Mentha × piperita L.)*
- Nettle (*Urtica dioica L*.)
- Lemon balm (*Melissa officinalis L*.)
- Sage (*Salvia officinalis L*.)
- Tarragon (*Artemisia dracunculus L*.)
- Blackberry (*Rubus fruticosus L*.)
- California poppy (*Eschscholzia californica* Cham.)
- Purple coneflower (*Echinacea purpurea* (L.) Moench.)
- Horsetail (*Equisetum arvense* L)
- Cardoon (*Cynara cardunculus* L.)
- Artichoke (*Cynara scolymus* L.)
- Dandelion (*Taraxacum officinale* F.H. Wigg.)
- Raspberry (*Rubus idaeus* L.)
- Passionflower (*Passiflora incarnata* L.)
- Melilot (*Melilotus officinalis* (L.) Lam.)
- St. John's wort (*Hypericum perforatum* L.)
- Feverfew (*Tanacetum parthenium* (L.) Sch.Bip.)
- Parsley (*Petroselinum crispum* (Mill.) Fuss)
- Hedge mustard (*Sisymbrium officinale* (L.) Scop.)
- Centella (*Centella asiatica* (L.) Urb.)
- Watercress (*Nasturtium officinale* W.T.Aiton)
- Basil (*Ocimum basilicum* L.)
- Burnet saxifrage (*Pimpinella saxifraga* L.)
- Goldenrod *(Solidago canadensis* L.)
- Black horehound (*Ballotta nigra* L.)
- Cumin (*Cuminum cyminum* L.)
- Lemon verbena (*Aloysia citrodora* Paláu)