*This draft has not been adopted or endorsed by the European Commission. Any views expressed are the preliminary views of the Commission services and may not in any circumstances be regarded as stating an official position of the Commission. The information transmitted is intended only for the Member State or entity to which it is addressed for consultation and discussion.*

**Possible maximum levels for tropane alkaloids as discussed at Working Group Agricultural Contaminants**

**06/09/2019**

**Final check at meeting 21/10/2019 and 29/11/2019**

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| --- | --- | --- | --- |
| “Foodstuffs (1) | |  | |
| "8.2 | **Tropane alkaloids** (\*) | Maximum level (µg/kg) | |
|  |  | Atropine | Scopolamine |
| 8.2.1 | Processed cereal-based foods and baby foods for infants and young children, containing millet, sorghum, buckwheat, maize or their derived products (3) (29) | 1.0 | 1.0 |
|  |  | Sum of atropine and scopolamine | |
| 8.2.2. | Unprocessed millet and sorghum (18) | 5 (\*\*) | |
| 8.2.3 | Unprocessed maize (18) with the exception of   * unprocessed maize intended to be processed by wet milling (37) and * unprocessed maize for popping | 15 (\*\*) | |
| 8.2.4. | Unprocessed buckwheat (18) | 10 (\*\*) | |
| 8.2.5. | Maize for popping  Millet, sorghum and maize placed on the market for the final consumer  Milling products of millet, sorghum and maize | 5 (\*\*) | |
| 8.2.6. | Buckwheat placed on the market for the final consumer  Milling products of buckwheat | 10 (\*\*) | |
| *8.2.7.* | *Herbal infusions exclusively composed of anise fruits, fennel fruits (dried product)* ***(for discussion)*** | *50 (\*\*)* | |
| 8.2.8 | herbal infusions (dried product) *other than those listed in 8.2.7* | 25 (\*\*) | |
| *8.2.9* | *Herbal infusions exclusively composed of anise fruit, fennel fruits (liquid)* ***(for discussion)*** | *0.4 (\*\*)* | |
| 8.2.10 | Herbal infusions (liquid) *other than those listed in 8.2.9* | 0.2 (\*\*) | |
|  |  |  | |

(\*) The tropane alkaloids referred to are atropine and scopolamine. Atropine is the racemic mixture of (-)-hyoscyamine and (+)-hyoscyamine of which only the (-)-hyoscyamine enantiomer exhibits anticholinergic activity. As for analytical reasons it is not always possible to distinguish between the enantiomers of hyoscyamine, the maximum level is established for atropine.

As regards scopolamine, only the (-)-scopolamine enantiomer is formed naturally and has anticholinergic activity. Only the (-)-enantiomer is analysed.”

(\*\*) 2 year transition period.

For reminder

(29) The maximum level refers to the product as sold.

(37) The exemption applies only for maize for which it is evident e.g. through labelling, destination, that it is intended for use in a wet milling process only (starch production).