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COMMISSION

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ANNEX 1

ANNEX

to the

COMMISSION IMPLEMENTING REGULATION (EU) No .../..

concerning the authorisation of propionic acid, sodium propionate and ammonium propionate as feed additives for all animal species other than ruminants, pigs and poultry

ANNEX

| Identi- fication number of the additive | Name of the holder of authorisation | Additive | Composition, chemical formula, description, analytical method | Species or category of animal | Maximum age | Minimum content | Maximum content | Other provisions | End of period of authori- sation |
|---|---|-------------------|---|--|----------------|---|--------------------|--|---|
| | | | | | | mg/kg of complete feedingstuff with a moisture content of 12% | | | |
| Category of technological additives. Functional group: silage additives | | | | | | | | | |
| 1k280 | - | Propionic acid | Additive composition Propionic acid ≥ 99.5 % ----- Characterisation of the active substance Propionic acid ≥ 99.5 % C ₃ H ₆ O ₂ CAS No: 79-09-4 Non-volatile residue ≤ 0,01 % when dried at 140 °C to constant weight Aldehydes ≤0,1 % expressed as formaldehyde Produced by chemical synthesis ----- Method of Analysis ¹ Quantification of propionic acid as total propionic acid in feed additive, premixtures, feedingstuffs: ion exclusion High Performance Liquid Chromatography with refractive index (HPLC-RI) | All animal species other than ruminants, pigs and poultry | - | - | - | <ol style="list-style-type: none">1. The simultaneous use of other organic acids at the maximum permitted doses is contraindicated.2. The additive shall be used in easy to ensile material².3. Simultaneous use with other sources of the active substance shall not exceed the authorised maximum content.4. For safety: breathing protection, eye protection, gloves and protective clothing shall be used during handling. | <i>[10 years from the date of entry into force of this Regula- tion To be completed by the Service responsible for the publication]</i> |

¹ Details of the analytical methods are available at the following address of the Reference Laboratory:

http://irmm.jrc.ec.europa.eu/EURLs/EURL_feed_additives/Pages/index.aspx

² Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Regulation (EC) No 429/2008.

| | | | | | | | | | |
|-------|---|-------------------|--|---|---|---|---|--|--|
| 1k281 | - | Sodium propionate | <p>Additive composition Sodium propionate ≥ 98.5 %</p> <p>-----</p> <p>Characterisation of the active substance Sodium propionate ≥ 98.5 % $C_3H_5O_2Na$ CAS No: 137-40-6 Loss on drying ≤ 4 % determined by drying for two hours at 105°C Water insolubles $\leq 0,1$ % Produced by chemical synthesis</p> <p>-----</p> <p>Method of Analysis³ Quantification of sodium propionate in feed additive: (1) ion exclusion High Performance Liquid Chromatography with refractive index detection (HPLC-RI) – for the determination of total propionate; and (2) atomic absorption spectrometry, AAS (EN ISO 6869) – for the determination of total sodium. Quantification of sodium propionate as total propionic acid in premixtures, feedingstuffs: ion exclusion High Performance Liquid Chromatography with refractive index (HPLC-RI)</p> | All animal species other than ruminants, pigs and poultry | - | - | - | <ol style="list-style-type: none"> 1. The simultaneous use of other organic acids at the maximum permitted doses is contraindicated. 2. The additive shall be used in easy to ensile materials⁴. 3. Simultaneous use with other sources of the active substance shall not exceed the authorised maximum content. 4. For safety: breathing protection, eye protection, gloves and protective clothing shall be used during handling. | <p><i>[10 years from the date of entry into force of this Regulation To be completed by the Service responsible for the publication]</i></p> |
|-------|---|-------------------|--|---|---|---|---|--|--|

³ Details of the analytical methods are available at the following address of the Reference Laboratory:

http://irmm.jrc.ec.europa.eu/EURLs/EURL_feed_additives/Pages/index.aspx

⁴ Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Regulation (EC) No 429/2008.

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|-------|---|---------------------|---|---|---|---|---|--|--|
| 1k284 | - | Ammonium propionate | <p>Additive composition Preparation of ammonium propionate $\geq 19.0\%$, propionic acid $\leq 80.0\%$ and water $\leq 30\%$</p> <p>-----</p> <p>Characterisation of the active substance Ammonium propionate: $C_3H_9O_2N$ CAS No.: 17496-08-1 Produced by chemical synthesis</p> <p>-----</p> <p>Method of Analysis⁵ Quantification of the ammonium propionate in feed additive: (1) ion exclusion High Performance Liquid Chromatography with refractive index detection (HPLC-RI) – for the determination of total propionate; and (2) titration with sulphuric acid and sodium hydroxide for the determination of ammonia. Quantification of ammonium propionate as total propionic acid in premixtures, feedingstuffs: ion exclusion High Performance Liquid Chromatography with refractive index (HPLC-RI)</p> | All animal species other than ruminants, pigs and poultry | - | - | - | <ol style="list-style-type: none"> 1. The simultaneous use of other organic acids at the maximum permitted doses is contraindicated. 2. The additive shall be used in easy to ensile materials⁶. 3. Simultaneous use with other sources of the active substance shall not exceed the authorised maximum content. 4. For safety: breathing protection, eye protection, gloves and protective clothing shall be used during handling. | <p><i>[10 years from the date of entry into force of this Regulation To be completed by the Service responsible for the publication]</i></p> |
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⁵ Details of the analytical methods are available at the following address of the Reference Laboratory:

http://irmm.jrc.ec.europa.eu/EURLs/EURL_feed_additives/Pages/index.aspx

⁶ Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Regulation (EC) No 429/2008.