

Commission Implementing Regulation (EU) No 1222/2013 of 29
November 2013 concerning the authorisation of propionic acid,
sodium propionate and ammonium propionate as feed additives
for ruminants, pigs and poultry (Text with EEA relevance)

COMMISSION IMPLEMENTING REGULATION (EU) No 1222/2013

of 29 November 2013

concerning the authorisation of propionic acid, sodium propionate and
ammonium propionate as feed additives for ruminants, pigs and poultry

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 1831/2003 of the European Parliament and of the Council
of 22 September 2003 on additives for use in animal nutrition⁽¹⁾, and in particular Article 9(2)
thereof,

Whereas:

- (1) Regulation (EC) No 1831/2003 provides for the authorisation of additives for use in animal nutrition and for the grounds and procedures for granting such authorisation.
- (2) In accordance with Article 7 of Regulation (EC) No 1831/2003, an application was submitted for the authorisation of propionic acid, sodium propionate and ammonium propionate. That application was accompanied by the particulars and documents required under Article 7(3) of Regulation (EC) No 1831/2003.
- (3) That application concerns the authorisation of propionic acid, sodium propionate and ammonium propionate as feed additives for all animal species to be classified in the additive category ‘technological additives’, functional group ‘silage additives’. The application includes also other uses of the same substances for which no decision has yet been taken.
- (4) The European Food Safety Authority (‘the Authority’) concluded in its opinion of 16 November 2011⁽²⁾ that, under the proposed conditions of use, propionic acid, sodium propionate and ammonium propionate do not have an adverse effect on animal health, human health or the environment. It was also concluded that the substances improve the aerobic stability of easy to ensile materials. The Authority does not consider that there is a need for specific requirements of post-market monitoring. It also verified the report on the methods of analysis of the feed additives in feed submitted by the Reference Laboratory set up by Regulation (EC) No 1831/2003.
- (5) The assessment of the substances concerned shows that the conditions for authorisation, as provided for in Article 5 of Regulation (EC) No 1831/2003, are satisfied.

Status: Point in time view as at 31/12/2020.

*Changes to legislation: There are currently no known outstanding effects for the Commission
Implementing Regulation (EU) No 1222/2013. (See end of Document for details)*

Accordingly, the use of those substances should be authorised as specified in the Annex to this Regulation.

- (6) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on the Food Chain and Animal Health,

HAS ADOPTED THIS REGULATION:

Article 1

The substances specified in the Annex belonging to the additive category ‘technological additives’ and to the functional group ‘silage additives’, are authorised as additives in animal nutrition, subject to the conditions laid down in that Annex.

Article 2

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 29 November 2013.

For the Commission

The President

José Manuel BARROSO

ANNEX

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*Status: Point in time view as at 31/12/2020.**Changes to legislation: There are currently no known outstanding effects for the Commission Implementing Regulation (EU) No 1222/2013. (See end of Document for details)*

ANNEX

Identification number of the additive	Name of the holder of authorisation	Additive	Chemical formula, analytical method	Species or category of animal	Maximum age	Minimum content mg/kg of complete feedingstuff with a moisture content of 12 %	Maximum content	Other provisions	End of period of authorisation
Category of technological additives. Functional group: silage additives									
1k280	—	Propionic acid		Additives – composition Pigs Propionic Poultry ≥ 99,5 % Characterisation of the active substance		—	—	1.	20 December 2025
							30 000		
							10 000		
				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				2.	The additive shall be used in easy to ensile material ^b .
								3.	Simultaneous use with other sources of the active substance

a 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

b Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

c As propionic acid.

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				chemical synthesis			shall not exceed the authorised maximum content.
			<i>Method of Analysis^a</i>	Quantification of propionic acid as total propionic acid in feed additive, premixtures, feedingstuffs:		4.	For safety: breathing protection, eye protection, gloves and protective clothing shall be used during handling.
			ion exclusion High Performance Liquid Chromatography with refractive index (HPLC-RI)				
1k281	—	Sodium propionate	Additives – composition Sodium propionate Purity $\geq 98,5\%$ <i>Characterisation of the active substance</i>	Sodium propionate $\geq 98,5\%$ $C_3H_5O_2Na$ CAS No: 137-40-6	— — —	— 30 000 ^c 10 000 ^c	1. The simultaneous use of other organic acids at the maximum permitted doses is contraindicated. 2. The additive

a 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

b Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

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				Loss on drying $\leq 4\%$ determined by drying for two hours at 105 °C			shall be used in easy to ensile materials ^b .
				Water insolubles $\leq 0,1\%$ Produced by chemical synthesis		3.	Simultaneous use with other sources of the active substance shall not exceed the authorised maximum content.
			<i>Method of Analysis^a</i> 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		4.	For safety: breathing protection, eye protection, gloves and protective clothing shall be used during handling.

a 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

b Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

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			(2)	propionate; and atomic absorption spectrometry, AAS (EN ISO 6869) — for the determination of total sodium. Quantification of sodium propionate as total propionic acid in premixtures, feedingsuffs: ion exclusion High Performance Liquid Chromatography with refractive index (HPLC- RI)				
1k284	—	Ammonium propionate	Additives— composition Pigs Preparation Poultry ammonium propionate ≥ 19,0 %, propionic acid	—	—	1.	20 December 2023 The simultaneous use of other organic acids at	
				—	30 000 ^c			
				—	10 000 ^c			

a Details of the analytical methods are available at the following address of the Reference Laboratory: http://imm.jrc.ec.europa.eu/EURLs/EURL_feed_additives/Pages/index.aspx

b Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

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			<p>≤ 80,0 % and water ≤ 30 %</p> <p><i>Characterisation of the active substance</i></p> <p>Ammonium propionate: C₃H₉O₂N CAS No: 17496-08-1 Produced by chemical synthesis</p> <p><i>Method of Analysis^a</i> Quantification of the ammonium propionate in feed additive: (1)</p> <p>ion exclusion High Performance Liquid Chromatography with refractive index detection (HPLC- RI) – for the determination of</p>	<p>2.</p> <p>3.</p> <p>4.</p>	<p>the maximum permitted doses is contraindicated.</p> <p>The additive shall be used in easy to ensile materials^b.</p> <p>Simultaneous use with other sources of the active substance shall not exceed the authorised maximum content.</p> <p>For safety: breathing protection, eye protection, gloves and protective clothing shall be used</p>
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a 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

b Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

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			(2)	total propionate; and titration with sulphuric acid and sodium hydroxide for the determination of ammonia.		during handling.
			Quantification of ammonium propionate as total propionic acid in premixtures, feedingstuffs: ion exclusion High Performance Liquid Chromatography with refractive index (HPLC-RI)			
a	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					
b	Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).					
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- (1) [OJ L 268, 18.10.2003, p. 29.](#)
- (2) [EFSA Journal 2011; 9\(12\):2446.](#)

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