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ANNEX 1

ANNEX

to the

COMMISSION IMPLEMENTING REGULATION (EU) …/...

concerning the authorisation of sodium benzoate, potassium sorbate, formic acid and sodium formate as feed additives for all animal species

ANNEX

Identification 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 authorisation
						mg/kg of complete feedingstuff with a moisture content of 12 %			
Category of technological additives. Functional group: silage additives									
1k301	-	Sodium benzoate	**Additive composition** Sodium benzoate ≥ 99.5% Solid form --- **Active substance** Sodium benzoate ≥ 99.5% $C_7 H_5 Na O_2$ CAS no 532-32-1 Produced by chemical synthesis --- **Analytical method**[1] For the determination of sodium benzoate: titrimetric method (01/2008:0123 of European Pharmacopoeia).	All animal species	-		2400	1. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting from its use. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves 2. The mixture of different sources of sodium benzoate shall not exceed the permitted maximum contents	*[to be completed by the Service responsible for the publication: insert precise date* *10 years from the date of entry into force of this Regulation]*

[1] Details of the analytical methods are available at the following address of the Reference Laboratory: https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports

1k202	-	Potassium sorbate	**Additive composition** Potassium sorbate ≥ 99% Solid form --- **Active substance** Potassium sorbate ≥ 99% $C_6H_7KO_2$ CAS no 24634-61-5 Produced by chemical synthesis --- **Analytical method**[2] For the determination of potassium sorbate in feed additive: titration with perchloric acid (European Pharmacopoeia, monographs 6.0 method 01/2008:0618) For the determination of potassium sorbate in premixture and feedingstuffs: ion exclusion High Performance Liquid Chromatography with UV detection (HPLC-UV).	All animal species		90	300	1. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting from its use. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves. 2. The additive shall be used in easy and moderate difficult to ensile materials[3].	*[to be completed by the Service responsible for the publication: insert precise date* *10 years from the date of entry into force of this Regulation]*

[2] Details of the analytical methods are available at the following address of the Reference Laboratory: https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports

[3] Easy to ensile forage:>3% soluble carbohydrates in fresh materials. Moderately difficult to ensile forage: 1.5-3.0% soluble carbohydrates in fresh materials. Regulation (EC) No 429/2008.

1k236	-	Formic acid	**Additive composition** Formic acid (≥ 84.5%) Liquid form --- **Active substance** Formic acid ≥ 84.5% H_2CO_2 CAS no 64-18-6 --- **Analytical method**[4] For the determination of formic acid: ion chromatography method equipped with electrical conductivity detection (IC-ECD).	All animal species other than pigs	-	1500	10 000	1. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting from its use. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves 2. The mixture of different sources of formic acid shall not exceed the permitted maximum content in complete feedingstuffs. 3. The mixture of different sources of sodium benzoate shall not exceed the permitted maximum contents.	*[to be completed by the Service responsible for the publication: insert precise date* *10 years from the date of entry into force of this Regulation]*
				Pigs		1500	12 000		

[4] Details of the analytical methods are available at the following address of the Reference Laboratory: https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports

1k237	-	Sodium formate	**Additive composition** Sodium formate ≥ 98% Solid form Sodium formate 15% Liquid form --- **Active substance** Sodium formate ≥ 98% (solid form) $NaHCO_2$ CAS no 141-53-7 formaldehyde ≤ 6.2 mg/kg acetaldehyde ≤ 5 mg/kg butylaldehyde ≤ 25 mg/kg Sodium formate ≥ 15%(liquid form) Formic acid ≤ 75% Produced by chemical synthesis --- **Analytical method**[5] Determination of sodium in feed additives: EN ISO 6869: atomic absorption spectrometry (AAS) or EN 15510: inductively coupled plasma atomic emission spectrometry, (ICP-AES). Determination of total formate in feed additives: EN 15909 reverse phase HPLC with UV detection (RP-HPLC-UV) Determination of total formate in premixtures: Ion-exclusion high performance liquid chromatography with UV or with refractive index detection (HPLC-UV/RI) or Ion chromatography method equipped with electrical conductivity detection (IC-ECD).	All animal species other than pigs	-	1500 (formic acid equivalent)	10 000 (formic acid equivalent)	1. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting from its use. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves. 2. The mixture of different sources of formic acid shall not exceed the permitted maximum contents in complete feedingstuffs. 3. The mixture of different sources of sodium benzoate shall not exceed the permitted maximum contents.	*[to be completed by the Service responsible for the publica-tion: insert precise date* *10 years from the date of entry into force of this Regulation]*
				Pigs		1500 (formic acid equivalent)	12 000 (formic acid equivalent)		

[5] Details of the analytical methods are available at the following address of the Reference Laboratory: https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports