

EN

ANNEX

Identi- fication number of the additive	Name of the additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maxim um age	Minimu m content	Maximu m content	Other provisions	End of period of authorisation
					mg of additive/kg of complete feed with a moisture content of 12%			
Category: Sensory additives. Functional group: Flavouring compounds								
2b282-t	Peppermint tincture	Additive composition Tincture from dried leaves or aerial parts of <i>Mentha</i> × <i>piperita</i> L. (basionym: <i>Mentha</i> <i>aquatica</i> × <i>Mentha spicata</i> L.) Liquid form Characterisation of active substance Peppermint tincture:	All animal species	-	-	-	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and the stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: “Recommended maximum content of the active substance per kg of complete feed with a moisture content of 12%: - 86 mg for turkeys for fattening;	[to be completed by the OP: insert precise date 10 years from the date of entry into force of this Regulation]

		Tincture, as defined by the Council of Europe (CoE)¹, obtained from the dried leaves or the aerial parts of <i>Mentha × piperita</i> L. by extended extraction with a water/ethanol solvent mixture, pressing and filtration. EC number: 282-015-4 CAS number: 84082-70-2 CoE number: 282 <u>Specifications</u> Dry matter content: 1,84% - 1,85 % Total polyphenols²: ≤ 0,1020 % Flavonoids³: ≤ 0,0261 % Menthol: ≤ 0,0021 % Menthone: ≤ 0,0010 % Rosmarinic acid: ≤ 0,00099 % Analytical method⁽⁴⁾ For the characterisation of the feed additive: - Spectrophotometry for the determination of total polyphenols and total flavonoids; - Gas chromatography coupled with flame ionisation detection (GC-FID) for the determination of menthol and menthone;				- 64 mg for chickens for fattening and minor poultry for fattening; - 64 mg for all poultry reared for laying or breeding; - 64 mg for ornamental birds; - 95 mg all poultry for laying or breeding; - 138 mg for pigs for fattening; - 115 mg for piglets (suckling and weaned) of all <i>Suidae</i>; - 115 mg for pigs for fattening of minor <i>Suidae</i>; - 168 mg for all <i>Suidae</i> for reproduction; - 287 mg for calves for fattening up to 6 months; - 253 mg for sheep and goats; - 253 mg for cattle for fattening, other ruminants for fattening except sheep, goats and calves for fattening up to 6 months; <i>Camelidae</i> for fattening;	
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¹ Natural sources of flavourings - Report No. 2 (2007).

² Expressed as gallic acid equivalents (GAE).

³ Expressed as hyperoside equivalents.

⁴ Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

								with personal skin, eye and breathing protective equipment.	
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					mg of additive/kg of complete feed with a moisture content of 12%			
Category: Sensory additives. Functional group: Flavouring compounds								
2b455-t	Wild thyme tincture	Additive composition Tincture from dried leaves or aerial parts of <i>Thymus serpyllum</i> L. Liquid form Characterisation of active substance Wild thyme tincture: Tincture, as defined by the Council of Europe (CoE) ⁵ , obtained from the dried leaves or the aerial parts of <i>Thymus serpyllum</i> L. by extended extraction with a water/ethanol solvent mixture, pressing and filtration. EC number: 284-023-3 CAS number: 84776-98-7 CoE number: 455 <u>Specifications</u>	All animal species	-	-	-	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and the stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: "Recommended maximum content of the active substance per kg of complete feed with a moisture content of 12%: - 96 mg for turkeys for fattening; - 71 mg for chickens for fattening and minor poultry for fattening; - 71 mg for all poultry reared for laying or breeding;	[to be completed by the OP: insert precise date 10 years from the date of entry into force of this Regulation]

⁵ Natural sources of flavourings - Report No. 2 (2007).

		Dry matter content: 1 % Total polyphenols⁶: ≤ 0,0923 % Flavonoids⁷: ≤ 0,02338 % Thymol: ≤ 0,000020 % Carvacrol: ≤ 0,000043 % Rosmarinic acid: ≤ 0,00107 % Analytical method⁽⁸⁾ For the characterisation of the feed additive: - Spectrophotometry for the determination of total polyphenols and total flavonoids; - Gas chromatography coupled with flame ionisation detection (GC-FID) for the determination of thymol and carvacrol; - High performance liquid chromatography with spectrophotometric (UV) detection for the determination of rosmarinic acid.					- 71 mg for ornamental birds; - 106 mg all poultry for laying or breeding; - 154 mg for pigs for fattening; - 128 mg for piglets (suckling and weaned) of all <i>Suidae</i>; - 128 mg for pigs for fattening of minor <i>Suidae</i>; - 187 mg for all <i>Suidae</i> for reproduction; - 321 mg for calves for fattening up to 6 months; - 282 mg for sheep and goats; - 282 mg for cattle for fattening, other ruminants for fattening except sheep, goats and calves for fattening up to 6 months; <i>Camelidae</i> for fattening; - 183 mg for all other ruminants and all other <i>Camelidae</i>; - 282 mg for <i>Equidae</i>; - 113 mg for <i>Leporidae</i>; - 322 mg for salmonids and minor fin fish; - 338 mg for dogs;	
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⁶ Expressed as gallic acid equivalents (GAE).

⁷ Expressed as hyperoside equivalents.

⁸ Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

							- 282 mg for cats; - 500 mg for ornamental fish; - 71 mg for other species and categories.”. 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture, where the use level on the label of the premixture would result in exceeding the level referred to in point 3. 5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal skin, eye and breathing protective equipment.	
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Identi- fication number of the additive	Name of the additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maxim um age	Minimu m content	Maximu m content	Other provisions	End of period of authorisation
					mg of additive/kg of complete feed with a moisture content of 12%			
Category: Sensory additives. Functional group: Flavouring compounds								
2b414-t	Sage tincture	Additive composition Tincture from dried leaves of <i>Salvia officinalis</i> L. Liquid form Characterisation of active substance Sage tincture: Tincture, as defined by the Council of Europe (CoE)⁹, obtained from the dried leaves of <i>Salvia officinalis</i> L. by extended extraction with a water/ethanol solvent mixture, pressing and filtration. EC number: 282-025-9 CAS number: 84082-79-1 CoE number: 414 <u>Specifications</u> Dry matter content: 1,75 % - 1,78 %	All animal species	-	-	-	1. The additive shall be incorporated into the feed in the form of a premixture. 2. In the directions for use of the additive and premixtures, the storage conditions and the stability to heat treatment shall be indicated. 3. On the label of the additive, the following shall be indicated: "Recommended maximum content of the active substance per kg of complete feed with a moisture content of 12%: - 47 mg for turkeys for fattening; - 35 mg for chickens for fattening and minor poultry for fattening; - 35 mg for all poultry reared for laying or breeding;	[to be completed by the OP: insert precise date 10 years from the date of entry into force of this Regulation]

⁹ Natural sources of flavourings - Report No. 2 (2007).

		Total polyphenols¹⁰: ≤ 0,328 % Flavonoids¹¹: ≤ 0,0482 % Thujones: ≤ 0,0132 % Camphor: ≤ 0,0130 % 1,8-Cineole (eucalyptol): ≤ 0,0070 % Rosmarinic acid: ≤ 0,0662 % Analytical method⁽¹²⁾ For the characterisation of the feed additive: - Spectrophotometry for the determination of total polyphenols and total flavonoids; - Gas chromatography coupled with flame ionisation detection (GC-FID) for the determination of thujones, camphor and 1,8-cineole; - High performance liquid chromatography with spectrophotometric (UV) detection for the determination of rosmarinic acid.					- 35 mg for ornamental birds; - 52 mg all poultry for laying or breeding; - 75 mg for pigs for fattening; - 62 mg for piglets (suckling and weaned) of all <i>Suidae</i>; - 62 mg for pigs for fattening of minor <i>Suidae</i>; - 91 mg for all <i>Suidae</i> for reproduction; - 156 mg for calves for fattening up to 6 months; - 137 mg for sheep and goats; - 137 mg for cattle for fattening, other ruminants for fattening except sheep, goats and calves for fattening up to 6 months; <i>Camelidae</i> for fattening; - 89 mg for all other ruminants and all other <i>Camelidae</i>; - 137 mg for <i>Equidae</i>; - 55 mg for <i>Leporidae</i>;	
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¹⁰ Expressed as gallic acid equivalents (GAE).

¹¹ Expressed as hyperoside equivalents.

¹² Details of the analytical methods are available at the following address of the Reference Laboratory: https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en.

							- 156 mg for salmonids and minor fin fish; - 164 mg for dogs; - 137 mg for cats; - 500 mg for ornamental fish; - 35 mg for other species and categories.”. 4. The functional group, the identification number, the name and the added amount of the active substance shall be indicated on the label of the premixture, where the use level on the label of the premixture would result in exceeding the level referred to in point 3. 5. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting from their use. Where those risks cannot be eliminated by such procedures and measures, the additive and premixtures shall be used with personal skin, eye and breathing protective equipment.	
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