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**ANNEX**

Identi- fication number of the feed additive	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 feedingstuff with a moisture content of 12%			
Category: Sensory additives. Functional group: Flavouring compounds								
2b324-eo	Geranium rose essential oil	<b>Additive composition</b>  Essential oil from the herbaceous parts of <i>Pelargonium graveolens</i> L’Hér. (synonym: <i>Pelargonium graveolens</i> L’Herit. Ex Ait.)   Liquid form	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 be completed by the OP: insert precise date 10 years from the date of entry into force of this Regulation]

	<p><b>Characterisation of active substance</b></p> <p>Geranium rose essential oil</p> <p>Essential oil, as defined by the Council of Europe<sup>1</sup>, obtained from the herbaceous parts of <i>Pelargonium graveolens</i> L'Hér. by steam distillation and further condensation of volatile constituents and separation from the aqueous phase by decantation.</p> <p>CAS number: 8000-46-2 EINECS: 290-140-0 FEMA number: 2508 CoE number: 324</p> <p><u>Specifications</u></p> <p>Citronellol: 25-36 % Geraniol: 10-18 % Citronellyl formate: 4-9 % Linalool: 4-8,5 % <i>d,l</i>-Isomenthone (<i>cis</i>-menthone): 4-8 % 2-(2-Methylprop-1-enyl)-4-methyl tetrahydropyran (rose oxide): 0,7-1,5 %</p> <p><b>Analytical method<sup>(2)</sup></b></p> <p>For the determination of citronellol (phytochemical marker) in the feed additive:</p>				<p>to heat treatment shall be indicated.</p> <p>3. On the label of the additive, the following shall be indicated: "Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12%: 5 mg."</p> <p>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.</p> <p>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</p>
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<sup>1</sup> Natural sources of flavourings - Report No. 2 (2007).

<sup>2</sup> 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](https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en).

		<p>– Gas chromatography coupled with flame ionisation detection (GC-FID) (ISO 4731)</p>					<p>procedures and measures, the additive and premixtures shall be used with personal skin, eye and breathing protective equipment.</p>	
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Identi- fication number of the feed additive	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 feedingstuff with a moisture content of 12%			
Category: Sensory additives. Functional group: Flavouring compounds								
2b185-eo	Eucalyptus essential oil	<b>Additive composition</b>  Essential oil from the leaves and twigs of <i>Eucalyptus globulus</i> Labill.  Liquid form  <b>Characterisation of active substance</b>  Eucalyptus essential oil  Essential oil, as defined by the Council of Europe <sup>3</sup> , obtained from the fresh or dried leaves and twigs of <i>Eucalyptus globulus</i> Labill. by steam distillation and further condensation of volatile constituents and separation from the aqueous phase by decantation.  CAS number: 8000-48-4 EINECS: 283-406-2 FEMA number: 2466 CoE number: 185	All animal species	-	-	-	<div>1. The additive shall be incorporated into the feed in the form of a premixture.</div> <div>2. In the directions for use of the additive and premixtures, the storage conditions and the stability to heat treatment shall be indicated.</div> <div>3. On the label of the additive, the following shall be indicated: "Recommended maximum content of the active substance per kg of complete feedingstuff with a moisture content of 12%: - 12 mg for chickens for fattening and minor poultry for fattening; - 12 mg for all poultry reared for laying or breeding;12 mg for ornamental birds;</div>	[to be completed by the OP: insert precise date 10 years from the date of entry into force of this Regulation]

<sup>3</sup> Natural sources of flavourings - Report No. 2 (2007).

		<p><u>Specifications</u></p> <p>1,8-Cineole (eucalyptol): 70-87%  d-Limonene: 2-15%  <math>\alpha</math>-Pinene (pin-2(3)-ene): 1-10%  Methyleugenol: maximum 0,005%</p> <p><b>Analytical method<sup>(4)</sup></b></p> <p>For the determination of 1,8-cineole (phytochemical marker) in the feed additive:  – Gas chromatography coupled with flame ionisation detection (GC-FID) (ISO 770)</p>				<ul style="list-style-type: none"> <li>- 16 mg for turkeys for fattening;</li> <li>- 18 mg all poultry for laying or breeding,</li> <li>- 26 mg for pigs for fattening;</li> <li>- 22 mg for piglets (suckling and weaned) of all <i>Suidae</i>;</li> <li>- 22 mg for pigs for fattening of minor <i>Suidae</i>;</li> <li>- 32 mg for all <i>Suidae</i> for reproduction;</li> <li>- 55 mg for calves for fattening up to 6 months;</li> <li>- 48 mg for sheep and goats;</li> <li>- 48 mg for cattle for fattening, other ruminants for fattening except sheep and goats; <i>Camelidae</i> for fattening;</li> <li>- 31 mg for all other ruminants and all other <i>Camelidae</i>;</li> <li>- 48 mg for <i>Equidae</i>;</li> <li>- 19 mg for rabbits;</li> <li>- 55 mg for salmonids and minor fin fish;</li> <li>- 58 mg for dogs;</li> <li>- 75 mg for ornamental fish;</li> <li>- 10 mg for cats;</li> </ul>	
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<sup>4</sup> 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](https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en).

							<ul style="list-style-type: none"> <li>- 10 mg for other species and categories.”.</li> </ul> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>	
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Identi- fication number of the feed additive	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 feedingstuff with a moisture content of 12%			
Category: Sensory additives. Functional group: Flavouring compounds								
2b38-eo	Lemongrass essential oil	<b>Additive composition</b>  Essential oil from the aerial parts of <i>Cymbopogon flexuosus</i> (Nees ex Steud.) Will. Watson (synonym: <i>Cymbopogon flexuosus</i> (Nees ex Steud.)).  Liquid form  <b>Characterisation of active substance</b>  Lemongrass essential oil  Essential oil, as defined by the Council of Europe <sup>5</sup> , obtained from the fresh or dried aerial parts of <i>Cymbopogon flexuosus</i> (Nees ex Steud.) Will. Watson by steam distillation and further condensation of volatile constituents and separation from the aqueous phase by decantation.  CAS number: 8007-02-1 EINECS: 289-752-0 FEMA number: 2624	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 feedingstuff with a moisture content of 12%: - 41 mg for chickens for fattening and minor poultry for fattening; - 41 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]

<sup>5</sup> Natural sources of flavourings - Report No. 2 (2007).

		<p>CoE number: 38</p> <p><u>Specifications</u></p> <p><i>trans</i>-3,7-Dimethylocta-2,6-dienal (Geranial): 35-47%  Neral: 25–35%  Geraniol: 1,5-8%  Geranyl acetate: 0,5-6%  <math>\beta</math>-Caryophyllene: 0,2-3,5%  Methyleugenol and elemicin: maximum 0,01%</p> <p><b>Analytical method<sup>(6)</sup></b></p> <p>For the determination of neral and <i>trans</i>-3,7-dimethylocta-2,6-dienal (geranial) (phytochemical markers) in the feed additive:  – Gas chromatography coupled with flame ionisation detection (GC-FID) (ISO 4718)</p>					<ul style="list-style-type: none"> <li>- 41 mg for ornamental birds;</li> <li>- 55 mg for turkeys for fattening;</li> <li>- 61 mg for all poultry for laying or breeding;</li> <li>- 88 mg for pigs for fattening;</li> <li>- 74 mg for piglets (suckling and weaned) of all <i>Suidae</i>;</li> <li>- 74 mg for pigs for fattening of minor <i>Suidae</i>;</li> <li>- 100 mg for all <i>Suidae</i> for reproduction;</li> <li>- 75 mg for calves for fattening up to 6 months;</li> <li>- 75 mg for sheep and goats;</li> <li>- 75 mg for cattle for fattening, other ruminants for fattening except sheep and goats; <i>Camelidae</i> for fattening;</li> <li>- 75 mg for all other ruminants and <i>Camelidae</i>;</li> <li>- 100 mg for <i>Equidae</i>;</li> <li>- 65 mg for rabbits;</li> <li>- 125 mg for salmonids and minor fin fish;</li> <li>- 50 mg for dogs;</li> </ul>	
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<sup>6</sup> 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](https://joint-research-centre.ec.europa.eu/eurl-fa-eurl-feed-additives/eurl-fa-authorisation/eurl-fa-evaluation-reports_en)



							<ul style="list-style-type: none"> <li>- 50 mg for ornamental fish;</li> <li>- 33 mg for cats;</li> <li>- 33 mg for other species and categories.” .</li> </ul> <p>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.</p> <p>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.</p>	
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