

ANNEX

Identification number of the additive	Name of the 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	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
1k20726	<i>Lactiplantibacillus plantarum</i> DSM 18112	<p><b>Additive composition</b> Preparation of <i>Lactiplantibacillus plantarum</i> DSM 18112 containing a minimum of <math>1 \times 10^{10}</math> CFU/g additive</p> <p>Solid form</p> <p>-----</p> <p><b>Characterisation of the active substance</b> Viable cells of <i>Lactiplantibacillus plantarum</i> DSM 18112</p> <p>-----</p> <p><b>Analytical method<sup>1</sup></b></p>	All animal species	-	-	-	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixtures, the storage conditions shall be indicated.</li> <li>2. The additive shall only be used in easy to ensile fresh material<sup>2</sup>.</li> <li>3. Minimum dose of the additive when it is not used in combination with other micro-organisms as silage additives: <math>5 \times 10^6</math> CFU/kg fresh material.</li> <li>4. For users of the additive and premixtures, feed business</li> </ol>	[10 years from the date of entry into force of this Regulation. To be completed by the OP]	

<sup>1</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).

<sup>2</sup> Easy to ensile forage: > 3 % soluble carbohydrates in fresh material in accordance with Commission Regulation (EC) No 429/2008 of 25 April 2008 on detailed rules for the implementation of Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the preparation and the presentation of applications and the assessment and the authorisation of feed additives (OJ L 133, 22.5.2008, p. 1, <http://data.europa.eu/eli/reg/2008/429/oj>).

Identifi-cation number of the additive	Name of the additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisa-tion	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
		<p>Enumeration in the feed additive of <i>Lactiplantibacillus plantarum</i> DSM 18112:</p> <ul style="list-style-type: none"> <li>- Spread plate method on MRS agar (EN 15787)</li> </ul> <p>Identification of <i>Lactiplantibacillus plantarum</i> DSM 18112:</p> <ul style="list-style-type: none"> <li>- Pulsed Field Gel Electrophoresis (PFGE) - CEN/TS 17697 or DNA sequencing methods</li> </ul>					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.		

Identification number of the additive	Name of the 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	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
1k20727	<i>Lactiplantibacillus plantarum</i> DSM 18113	<p><b>Additive composition</b> Preparation of <i>Lactiplantibacillus plantarum</i> DSM 18113 containing a minimum of <math>1 \times 10^{10}</math> CFU/g additive</p> <p>Solid form</p> <p>-----</p> <p><b>Characterisation of the active substance</b> Viable cells of <i>Lactiplantibacillus plantarum</i> DSM 18113</p> <p>-----</p> <p><b>Analytical method<sup>3</sup></b> Enumeration in the feed additive of <i>Lactiplantibacillus plantarum</i> DSM</p>	All animal species	-	-	-	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixtures, the storage conditions shall be indicated.</li> <li>2. The additive shall only be used in easy to ensile fresh material<sup>4</sup>.</li> <li>3. Minimum dose of the additive when it is not used in combination with other micro-organisms as silage additives: <math>2 \times 10^7</math> CFU/kg fresh material.</li> <li>4. For users of the additive and premixtures, feed business operators shall establish operational procedures and</li> </ol>	[10 years from the date of entry into force of this Regulation. To be completed by the OP]	

<sup>3</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).

<sup>4</sup> Easy to ensile forage: > 3 % soluble carbohydrates in fresh material in accordance with Commission Regulation (EC) No 429/2008 of 25 April 2008 on detailed rules for the implementation of Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the preparation and the presentation of applications and the assessment and the authorisation of feed additives (OJ L 133, 22.5.2008, p. 1, <http://data.europa.eu/eli/reg/2008/429/oj>).

Identifi-cation number of the additive	Name of the additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisa-tion	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
		18113: - Spread plate method on MRS agar (EN 15787)  Identification of <i>Lactiplantibacillus plantarum</i> DSM 18113: - Pulsed Field Gel Electrophoresis (PFGE) - CEN/TS 17697 or DNA sequencing methods					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.		

Identification number of the additive	Name of the 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	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
1k20728	<i>Lactiplantibacillus plantarum</i> DSM 18114	<p><b>Additive composition</b> Preparation of <i>Lactiplantibacillus plantarum</i> DSM 18114 containing a minimum of <math>1 \times 10^{10}</math> CFU/g additive</p> <p>Solid form</p> <p>-----</p> <p><b>Characterisation of the active substance</b> Viable cells of <i>Lactiplantibacillus plantarum</i> DSM 18114</p> <p>-----</p> <p><b>Analytical method<sup>5</sup></b> Enumeration in the feed additive of <i>Lactiplantibacillus plantarum</i> DSM</p>	All animal species	-	-	-	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixtures, the storage conditions shall be indicated.</li> <li>2. The additive shall only be used in easy to ensile fresh material<sup>6</sup>.</li> <li>3. Minimum dose of the additive when it is not used in combination with other micro-organisms as silage additives: <math>2 \times 10^7</math> CFU/kg fresh material.</li> <li>4. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to</li> </ol>	[10 years from the date of entry into force of this Regulation. To be completed by the OP]	

<sup>5</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).

<sup>6</sup> Easy to ensile forage: > 3 % soluble carbohydrates in fresh material in accordance with Commission Regulation (EC) No 429/2008 of 25 April 2008 on detailed rules for the implementation of Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the preparation and the presentation of applications and the assessment and the authorisation of feed additives (OJ L 133, 22.5.2008, p. 1, <http://data.europa.eu/eli/reg/2008/429/oj>).

Ident- ification number of the additive	Name of the additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisa- tion	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
		18114: - Spread plate method on MRS agar (EN 15787) Identification of <i>Lactiplantibacillus plantarum</i> DSM 18114: - Pulsed Field Gel Electrophoresis (PFGE) - CEN/TS 17697 or DNA sequencing methods					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.		

Identification number of the additive	Name of the 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	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
1k20729	<i>Lactiplantibacillus plantarum</i> ATCC 55943	<p><b>Additive composition</b> Preparation of <i>Lactiplantibacillus plantarum</i> ATCC 55943 containing a minimum of <math>1 \times 10^{10}</math> CFU/g additive</p> <p>Solid form</p> <p>-----</p> <p><b>Characterisation of the active substance</b> Viable cells of <i>Lactiplantibacillus plantarum</i> ATCC 55943</p> <p>-----</p> <p><b>Analytical method<sup>7</sup></b> Enumeration in the feed additive of <i>Lactiplantibacillus plantarum</i> ATCC</p>	All animal species	-	-	-	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixtures, the storage conditions shall be indicated.</li> <li>2. The additive shall only be used in easy to ensile fresh material<sup>8</sup>.</li> <li>3. Minimum dose of the additive when it is not used in combination with other micro-organisms as silage additives: <math>2 \times 10^7</math> CFU/kg fresh material.</li> <li>4. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to</li> </ol>	[10 years from the date of entry into force of this Regulation. To be completed by the OP]	

<sup>7</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).

<sup>8</sup> Easy to ensile forage: > 3 % soluble carbohydrates in fresh material in accordance with Commission Regulation (EC) No 429/2008 of 25 April 2008 on detailed rules for the implementation of Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the preparation and the presentation of applications and the assessment and the authorisation of feed additives (OJ L 133, 22.5.2008, p. 1, <http://data.europa.eu/eli/reg/2008/429/oj>).

Identifi-cation number of the additive	Name of the additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisa-tion	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
		55943: - Spread plate method on MRS agar (EN 15787)  Identification of <i>Lactiplantibacillus plantarum</i> ATCC 55943: - Pulsed Field Gel Electrophoresis (PFGE) - CEN/TS 17697 or DNA sequencing methods					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.		

Identification number of the additive	Name of the 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	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
1k20730	<i>Lactiplantibacillus plantarum</i> ATCC 55944	<p><b>Additive composition</b> Preparation of <i>Lactiplantibacillus plantarum</i> ATCC 55944 containing a minimum of <math>1 \times 10^{10}</math> CFU/g additive</p> <p>Solid form</p> <p>-----</p> <p><b>Characterisation of the active substance</b> Viable cells of <i>Lactiplantibacillus plantarum</i> ATCC 55944</p> <p>-----</p> <p><b>Analytical method<sup>9</sup></b> Enumeration in the feed additive of <i>Lactiplantibacillus plantarum</i> ATCC</p>	All animal species	-	-	-	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixtures, the storage conditions shall be indicated.</li> <li>2. The additive shall only be used in easy to ensile fresh material<sup>10</sup>.</li> <li>3. Minimum dose of the additive when it is not used in combination with other micro-organisms as silage additives: <math>5 \times 10^6</math> CFU/kg fresh material.</li> <li>4. For users of the additive and premixtures, feed business operators shall establish</li> </ol>	[10 years from the date of entry into force of this Regulation. To be completed by the OP]	

<sup>9</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).

<sup>10</sup> Easy to ensile forage: > 3 % soluble carbohydrates in fresh material in accordance with Commission Regulation (EC) No 429/2008 of 25 April 2008 on detailed rules for the implementation of Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the preparation and the presentation of applications and the assessment and the authorisation of feed additives (OJ L 133, 22.5.2008, p. 1, <http://data.europa.eu/eli/reg/2008/429/oj>).

Ident-ification number of the additive	Name of the additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisa-tion	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
		55944: - Spread plate method on MRS agar (EN 15787)  Identification of <i>Lactiplantibacillus plantarum</i> ATCC 55944: - Pulsed Field Gel Electrophoresis (PFGE) - CEN/TS 17697 or DNA sequencing methods					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.		

Identification number of the additive	Name of the 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	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
1k20741	<i>Lentilactobacillus buchneri</i> ATCC PTA-2494	<p><b>Additive composition</b> Preparation of <i>Lentilactobacillus buchneri</i> ATCC PTA-2494 containing a minimum of <math>1 \times 10^{10}</math> CFU/g additive</p> <p>Solid form</p> <p>-----</p> <p><b>Characterisation of the active substance</b> Viable cells of <i>Lentilactobacillus buchneri</i> ATCC PTA-2494</p> <p>-----</p> <p><b>Analytical method<sup>11</sup></b> Enumeration in the feed additive of <i>Lentilactobacillus buchneri</i> ATCC PTA-</p>	All animal species	-	-	-	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixtures, the storage conditions shall be indicated.</li> <li>2. The additive shall only be used in easy to ensile fresh material<sup>12</sup>.</li> <li>3. Minimum dose of the additive when it is not used in combination with other micro-organisms as silage additives: <math>1 \times 10^8</math> CFU/kg fresh material.</li> <li>4. For users of the additive and premixtures, feed business operators shall establish operational procedures and</li> </ol>	[10 years from the date of entry into force of this Regulation. To be completed by the OP]	

<sup>11</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) .

<sup>12</sup> Easy to ensile forage: > 3 % soluble carbohydrates in fresh material in accordance with Commission Regulation (EC) No 429/2008 of 25 April 2008 on detailed rules for the implementation of Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the preparation and the presentation of applications and the assessment and the authorisation of feed additives (OJ L 133, 22.5.2008, p. 1, <http://data.europa.eu/eli/reg/2008/429/oj>).

Ident-ification number of the additive	Name of the additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisa-tion	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
		<p>2494:</p> <ul style="list-style-type: none"> <li>- Spread plate method on MRS agar (EN 15787)</li> </ul> <p>Identification of <i>Lentilactobacillus buchneri</i> ATCC PTA-2494:</p> <ul style="list-style-type: none"> <li>- Pulsed Field Gel Electrophoresis (PFGE) - CEN/TS 17697 or DNA sequencing methods</li> </ul>					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.		

Identification number of the additive	Name of the 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	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
1k20740	<i>Lentilactobacillus buchneri</i> ATCC PTA-6138	<p><b>Additive composition</b> Preparation of <i>Lentilactobacillus buchneri</i> ATCC PTA-6138 containing a minimum of <math>1 \times 10^{10}</math> CFU/g additive</p> <p>Solid form</p> <p>-----</p> <p><b>Characterisation of the active substance</b> Viable cells of <i>Lentilactobacillus buchneri</i> ATCC PTA-6138</p> <p>-----</p> <p><b>Analytical method<sup>13</sup></b> Enumeration in the feed additive of <i>Lentilactobacillus buchneri</i> ATCC PTA-</p>	All animal species	-	-	-	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixtures, the storage conditions shall be indicated.</li> <li>2. The additive shall only be used in easy to ensile fresh material<sup>14</sup>.</li> <li>3. Minimum dose of the additive when it is not used in combination with other micro-organisms as silage additives: <math>1 \times 10^8</math> CFU/kg fresh material.</li> <li>4. For users of the additive and premixtures, feed business operators shall establish operational procedures and</li> </ol>	[10 years from the date of entry into force of this Regulation. To be completed by the OP]	

<sup>13</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) .

<sup>14</sup> Easy to ensile forage: > 3 % soluble carbohydrates in fresh material in accordance with Commission Regulation (EC) No 429/2008 of 25 April 2008 on detailed rules for the implementation of Regulation (EC) No 1831/2003 of the European Parliament and of the Council as regards the preparation and the presentation of applications and the assessment and the authorisation of feed additives (OJ L 133, 22.5.2008, p. 1, <http://data.europa.eu/eli/reg/2008/429/oj>).

Ident-ification number of the additive	Name of the additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisa-tion	
					CFU/kg of fresh material				
<b>Category: technological additives. Functional group: silage additives</b>									
		6138: - Spread plate method on MRS agar (EN 15787) Identification of <i>Lentilactobacillus buchneri</i> ATCC PTA-6138: - Pulsed Field Gel Electrophoresis (PFGE) - CEN/TS 17697 or DNA sequencing methods					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.		