Commission Implementing Regulation (EU) No 1065/2012 of 13 November 2012 concerning the authorisation of preparations of Lactobacillus plantarum (DSM 23375, CNCM I-3235, DSM 19457, DSM 16565, DSM 16568, LMG 21295, CNCM MA 18/5U, NCIMB 30094, VTT E-78076, ATCC PTSA-6139, DSM 18112, DSM 18113, DSM 18114, ATCC 55943 and ATCC 55944) as feed additives for all animal species (Text with EEA relevance)

COMMISSION IMPLEMENTING REGULATION (EU) No 1065/2012

of 13 November 2012

concerning the authorisation of preparations of *Lactobacillus plantarum* (DSM 23375, CNCM I-3235, DSM 19457, DSM 16565, DSM 16568, LMG 21295, CNCM MA 18/5U, NCIMB 30094, VTT E-78076, ATCC PTSA-6139, DSM 18112, DSM 18113, DSM 18114, ATCC 55943 and ATCC 55944) as feed additives for all animal species

(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. Article 10(7) of Regulation (EC) No 1831/2003 in conjunction with Article 10(1) to (4) thereof sets out specific provisions for the evaluation of products used in the Union as silage additives at the date that Regulation became applicable.
- (2) In accordance with Article 10(1) of Regulation (EC) No 1831/2003, the preparations of *Lactobacillus plantarum* DSM 23375, CNCM I-3235, DSM 19457, DSM 16565, DSM 16568, LMG 21295, CNCM MA 18/5U, NCIMB 30094, VTT E-78076, ATCC PTSA-6139, DSM 18112, DSM 18113, DSM 18114, ATCC 55943 and ATCC 55944 were entered in the Community Register of Feed Additives as existing products belonging to the functional group of silage additives, for all animal species.
- (3) In accordance with Article 10(2) of Regulation (EC) No 1831/2003 in conjunction with Article 7 thereof, applications were submitted for the authorisation of the preparations of *Lactobacillus plantarum* DSM 23375, CNCM I-3235, DSM 19457, DSM 16565, DSM 16568, LMG 21295, CNCM MA 18/5U, NCIMB 30094, VTT E-78076, ATCC PTSA-6139, DSM 18112, DSM 18113, DSM 18114, ATCC 55943 and ATCC 55944 as feed additives for all animal species, requesting those additives to be classified in the category 'technological additives' and in the functional group 'silage additives'. Those

applications were accompanied by the particulars and documents required under Article 7(3) of Regulation (EC) No 1831/2003.

- The European Food Safety Authority ('the Authority') concluded in its opinion of 23 (4) May 2012⁽²⁾ that, under the proposed conditions of use, the preparations of Lactobacillus plantarum DSM 23375, CNCM I-3235, DSM 19457, DSM 16565, DSM 16568, LMG 21295, CNCM MA 18/5U, NCIMB 30094, VTT E-78076, ATCC PTSA-6139, DSM 18112, DSM 18113, DSM 18114, ATCC 55943 and ATCC 55944 do not have an adverse effect on animal health, human health or the environment. The preparations of Lactobacillus plantarum DSM 23375, CNCM I-3235, DSM 19457, DSM 16565, DSM 16568, LMG 21295, CNCM MA 18/5U and NCIMB 30094 have the potential to improve the production of silage from all forages by increasing the preservation of dry matter and reducing the pH. The preparation of Lactobacillus plantarum VTT E-78076 has the potential to improve the production of silage from easy and moderately difficult to ensile material by reducing the pH and ammonia nitrogen. The preparations of Lactobacillus plantarum ATCC PTSA-6139, DSM 18112, DSM 18113, DSM 18114, ATCC 55943 and ATCC 55944 have the potential to improve the production of silage from easy ensile material by reducing the pH and dry matter loss. The Authority does not consider that there is a need for specific requirements of post-market monitoring. It also verified the report on the method of analysis of the feed additives in feed submitted by the Community Reference Laboratory set up by Regulation (EC) No 1831/2003.
- (5) The assessment of the preparations of *Lactobacillus plantarum* DSM 23375, CNCM I-3235, DSM 19457, DSM 16565, DSM 16568, LMG 21295, CNCM MA 18/5U, NCIMB 30094, VTT E-78076, ATCC PTSA-6139, DSM 18112, DSM 18113, DSM 18114, ATCC 55943 and ATCC 55944 shows that the conditions for authorisation, as provided for in Article 5 of Regulation (EC) No 1831/2003, are satisfied. Accordingly, the use of those preparations should be authorised as specified in the Annex to this Regulation.
- (6) Since safety reasons do not require the immediate application of the modifications to the conditions of authorisation, it is appropriate to allow a transitional period for interested parties to prepare themselves to meet the new requirements resulting from the authorisation.
- (7) 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

Authorisation

The preparations 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

Transitional measures

The preparations specified in the Annex and feed containing them, which are produced and labelled before 4 June 2013 in accordance with the rules applicable before 4 December 2012 may continue to be placed on the market and used until the existing stocks are exhausted.

Article 3

Entry into force

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, 13 November 2012.

For the Commission The President José Manuel BARROSO

ANNEX

Identific		Additiv		si fipa çies					End
number			chemic		age			provisio	
of the additive	holder		descrip	a, category	Y	CFU/kg			period of
auunive	authori	isation		ca a nimal		fresh m	ateriai		authorisation
	uutiitii	Sation	method						authorisation
Category	of tech	nological		Functiona	l group:	silage add	litives		
1k20716		Lactoba	cillus	Additive					4
		plantaru	т	animadsit	ion			1.	4 December
		(DSM		sprepiersati	on				2022 directions
		23375)		of					
				Lactobac					for
				plantaru	п				use
				(DSM					of
				23375)					the
				containin	g				additive
				a					and
				minimun	ı				premixture,
				of					indicate
				2 ×					the
				10 ¹⁰					storage
				CFU/					temperature
				g					and
				additive					storage
				Characte	risation				life.
				of				2.	Minimum
				the					dose
				active					of
				substance	2				the
				Lactobac	illus				additive
				plantaru	п				when
				(DSM					used
				23375)					without
				Analytica	ıl				combination
				method ^a					with
				Enumera	tion				other
				in					micro-
				the					organisms
				feed					as
				additive:					silage
				spread					additives:
				plate					$1 \times$
				method					10 ⁸

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

		using MRS agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	3.	CFU/ kg fresh material. For safety: it is recommended to use breathing protection and gloves during handling.
1k20717 —	Lactobacillus plantarum (CNCM I-3235)	Additive	1. 2.	4 December 22 directions for use of the additive and premixture, indicate the storage temperature and storage life. Minimum dose of the additive when used without combination

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

Status: Th	is is the o	original	version ((as it w	vas origina	lly adopted).
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			Analytica method ^a Enumera in the feed additive: spread plate method using MRS agar (EN 15787) Identific in the feed additive: pulsed- field gel electropl (PFGE).	ation		3.	with other micro- organisms as silage additives: $2 \times$ 10^7 CFU/ kg fresh material. For safety: it is recommended to use breathing protection and gloves during handling.
1k20718 —	Lactobac plantarun (DSM 19457)	n	Additive animpadsia Spepiesati of <i>Lactobade</i> <i>plantaru</i> (DSM 19457) containin a minimur of 1 × 10 ¹⁰ CFU/ g additive	tion ion cillus m ng n		1.	4 Pecember 2022 directions for use of the additive and premixture, indicate the storage temperature and storage life.

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

			<i>Characte</i> of the active substance Lactobace plantaru (DSM 19457) Analytice method ^a Enumera in the feed additive: spread plate method using MRS agar (EN 15787) Identific in the feed additive: pulsed- field gel electroph (PFGE).	cillus m al ation			2. 3.	Minimum dose of the additive when used without combination with other micro- organisms as silage additives: $5 \times$ 10^7 CFU/ kg fresh material. For safety: it is recommended to use breathing protection and gloves during handling.
1k20719 —	Lactobac plantaru (DSM 16565)		Additive animadsi. Spepiesat of Lactobac plantaru	<i>tion</i> ion cillus			1.	4 December 2022 directions for use
a Details of the anal	ution mathed	ara availabl	(DSM 16565) containin	-	of the Defers	noo Laborat	ngr http://	of 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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

a minimum of $5 \times$ 10^{10} CFU/ g additive <i>Characterisation</i>		and premixture, indicate the storage temperature and storage life.
of the active substance Lactobacillus plantarum (DSM 16565) Analytical method [®] Enumeration in the feed additive: spread plate method using MRS agar (EN 15787) Identification in the feed additive:	2.	Minimum dose of the additive when used without combination with other micro- organisms as silage additives: 1×10^{8} CFU/ kg fresh material. For safety: it is recommended
pulsed- field gel electrophoresis (PFGE).		to use breathing protection and gloves 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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

1k20720 —	Lactobacillus	Additive —	—	1.	4 December
	plantarum	animadsition			these
	(DSM	sprepiesation			2022 directions
	16568)	of			for
		Lactobacillus			use
		plantarum			of
		(DSM			the
		16568)			
		containing			additive
		a			and
		minimum			premixture
		of			indicate
		5 ×			the
		10 ¹⁰			storage
		CFU/			temperatur
					and
		g litter			storage
		additive			life.
		Characterisation			
		of		2.	Minimum
		the			dose
		active			of
		substance			the
		Lactobacillus			additive
		plantarum			when
		(DSM			used
		16568)			without
		Analytical			combinatio
		method ^a			with
		Enumeration			other
		in			micro-
		the			organisms
		feed			as
		additive:			silage
					additives:
		spread			
		plate			$1 \times$
		method			10 ⁸
		using			CFU/
		MRS			kg
		agar			fresh
		(EN			material.
		15787)			
		Identification		3.	For
		in			safety:
		the			it
		feed			is

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

		additive: pulsed- field gel electrophoresis (PFGE).		recommended to use breathing protection and gloves during handling.
1k20721 —	Lactobacillus plantarum (LMG 21295)	AdditiveanimpalsitionSpepiesationofLactobacillusplantarum(LMG21295)containingaminimumof $5 \times$ 10 ¹⁰ CFU/gadditiveCharacterisationoftheactivesubstanceLactobacillusplantarum(LMG21295)Analyticalmethod ^a Enumerationinthefeedadditive:spreadplatemethod	1. 2.	$\begin{cases} 4 \\ \text{Pecember} \\ \frac{1}{2} \\ \frac{1}$

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

		using MRS agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	3.	CFU/ kg fresh material. For safety: it is recommended to use breathing protection and gloves during handling.
1k20722 —	Lactobacillus plantarum (CNCM MA 18/5U)	Additive — animpalsition sprepresention of Lactobacillus plantarum (CNCM MA 18/5U) containing a minimum of $2 \times$ 10^{10} CFU/ g additive Characterisation of the active substance Lactobacillus plantarum (CNCM	1. 2.	4 December 5022 directions for use of the additive and premixture, indicate the storage temperature and storage life. Minimum dose of the additive when used without combination

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

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		MA 18/5U) Analytical method ^a Enumeration in the feed additive: spread plate method using MRS agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	3.	with other micro- organisms as silage additives: 1×10^8 CFU/ kg fresh material. For safety: it is recommended to use breathing protection and gloves during handling.
1k20723 —	Lactobacillus plantarum (NCIMB 30094)	AdditiveanimpalsitionSpepiesationofLactobacillusplantarum(NCIMB30094)containingaminimumof $5 \times$ 10^{10} CFU/gadditive	1.	4 December 2022 directions for use of the additive and premixture, indicate the storage temperature and storage life.

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

		Characterisation of the active substance Lactobacillus plantarum (NCIMB 30094) Analytical method ^a Enumeration in the feed additive: spread plate method using MRS agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	2.	Minimum dose of the additive when used without combination with other micro- organisms as silage additives: $1 \times$ 10^9 CFU/ kg fresh material. For safety: it is recommended to use breathing protection and gloves during handling.
1k20724 —	Lactobacillus plantarum (VTT E-78076)	Additive — animalsition Spepiesation of Lactobacillus plantarum (VTT E-78076)	1.	4 December 2022 directions for use of the
a Details of the ana	lytical methods are ave	containing ailable at the following address of the Refe	rence Laboratory: http://	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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

a minimum of $1 \times$ 10^{11} CFU/ g additive <i>Characterisation</i> of the active substance Lactobacillus plantarum (VTT E-78076) Analytical method ^a Enumeration in the	2.	and premixture, indicate the storage temperature and storage life. Minimum dose of the additive when used without combination with other micro- organisms
feed additive: spread plate method using MRS agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	3.	as silage additives: 1×10^9 CFU/ Kg fresh material. The additive shall be used in easy and moderately difficult to ensile material ^b .

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

			4.	For safety: it is recommended to use breathing protection and gloves during handling.
1k20725 —	Lactobacillus plantarum (ATCC PTSA-6139)	Additive——animadsition $\$$ preparationofLactobacillusplantarum(ATCCPTSA-6139)containingaminimumof1 ×10 ¹⁰ CFU/gadditiveCharacterisation	- 1.	4 December 5022 directions for use of the additive and premixture, indicate the storage temperature and storage life.
		of the active substance Lactobacillus plantarum (ATCC PTSA-6139) Analytical method ^a Enumeration in the	2.	Minimum dose of the additive when used without combination with other micro- organisms

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

	feed additive: spread plate method using MRS agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	3.	as silage additives: 2 × 10 ⁷ CFU/ kg fresh material. The additive shall be used in easy to ensile material ^c . For safety: it is recommended to use breathing protection and gloves during handling.
Lactobacillus plantarum (DSM 18112)	Additive — — animalsition Speciesation of Lactobacillus plantarum (DSM 18112) containing a minimum of	1.	4 December 222 directions for use of the additive and premixture, indicate
	plantarum (DSM	additive: spread plate method using MRS agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	additive: spread plate spread plate method using MRS agar 3. (EN 15787) Identification 3. Identification in the feed additive: pulsed- field gel electrophoresis (PFGE). 4. 4. Lactobacillus Additive — — — plantarum mingasition Spepasation 6 1. (DSM Spepasation of Lactobacillus plantarum 1. (DSM NH Spepasation a 1. 1. aminimum OSM 18112) a . .

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

1 ×		the
10 ¹⁰		storage
CFU/		temperature
g		and
additive		storage
Characterisation		life.
of		
the	2.	Minimum
active		dose
substance		of
Lactobacillus		the
plantarum		additive
(DSM		when
18112)		used
Analytical		without
method ^a		combination
		with
Enumeration		other
in		micro-
the		organisms
feed		as
additive:		silage
spread		additives:
plate		$5 \times$
method		10^{6}
using		CFU/
MRS		kg
agar		fresh
(EN		material.
15787)		
Identification	3.	The
in		additive
the		shall
feed		be
additive:		used
pulsed-		in
field		easy
gel		to
electrophoresis		ensile
(PFGE).		material ^e .
	4.	For
		safety:
		it
		is
		recommended
		to

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

			use breathing protection and gloves during handling.
Lactobacillus plantarum (DSM 18113)	Additive—animalsitionSpepiesationofLactobacillusplantarum(DSM18113)containingaminimumof $1 \times$ 10 ¹⁰ CFU/gadditiveCharacterisationoftheactivesubstanceLactobacillusplantarum(DSM18113)Analyticalmethod ^a Enumerationinthefeedadditive:spreadplatemethodusingMRS	1. 2.	4 December 2022 directions for use of the additive and premixture, indicate the storage temperature and storage life. Minimum dose of the additive when used without combination with other micro- organisms as silage additives: 2×10^7 CFU/ kg

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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

		agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	3.	fresh material. The additive shall be used in easy to ensile material ^c . For safety: it is recommended to use breathing protection and gloves during handling.
1k20728 —	Lactobacill plantarum (DSM 18114)	as Additive — animpadsition preprintation preprintation f Lactobacillus plantarum (DSM 18114) containing a minimum of 1×10^{10} CFU/ g additive <i>Characterisation</i> <i>of</i> available at the following address	1.	4 December 2022 directions for use of the additive and premixture, indicate the storage temperature and storage life.

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

Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

	the active substance Lactobacillus plantarum (DSM 18114) Analytical method ^a Enumeration in the feed additive: spread plate method	2.	Minimum dose of the additive when used without combination with other micro- organisms as silage additives:
	Analytical method [*] Enumeration in the feed additive: spread plate method using MRS agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	3.	 without combination with other micro- organisms as silage additives: 2 × 10⁷ CFU/ kg fresh material. The additive shall be used in easy to ensile material^e. For safety: it is recommended to use breathing protection and gloves
irmm.jrc.ec.europa.eu/EURLs/E	s are available at the following address of URL_feed_additives/Pages/index.aspx	the reference Laboratory. http://	

b Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

c Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Regulation (EC) No 429/2008.

a

				during handling.
1k20729 —	Lactobacillus plantarum (ATCC 55943)	Additive——animpalsition $\$$ prepresentionofLactobacillusplantarum(ATCC55943)containingaminimumof1 ×10 ¹⁰ CFU/gadditiveCharacterisationof	2.	handling. 4 December 2022 directions for use of the additive and premixture, indicate the storage temperature and storage life. Minimum
		the active substance	Ζ.	dose of
		Lactobacillus plantarum (ATCC 55943)		the additive when used without
		Analytical method ^a Enumeration		combination with other
		in the feed		micro- organisms as
		additive: spread plate		silage additives: 2 ×
		method using MRS		10 ⁷ CFU/ kg
		agar (EN 15787)		fresh material.
a Details of t	the analytical methods are available	Identification in ble at the following address of the Reference	3.	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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

		the feed additive: pulsed- field gel electrophoresis (PFGE).		shall be used in easy to ensile material ^c .
			4.	For safety: it is recommended to use breathing protection and gloves during handling.
1k20730 —	Lactobacillus plantarum (ATCC 55944)	Additive—animpadsition $\$$ prepresentionofLactobacillusplantarum(ATCC55944)containingaminimumof1 ×10 ¹⁰ CFU/gadditiveCharacterisationoftheactivesubstance	1. 	4 December 2022 directions for use of the additive and premixture, indicate the storage temperature and storage life. Minimum dose of the additive

irmm.jrc.ec.europa.eu/EURLs/EURL_feed_additives/Pages/index.aspx Easy to ensile forage: > 3 % soluble carbohydrates in fresh material (e.g. whole plant maize, ryegrass, brome grass or sugar beet pulp). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1). b

	Lactobacillus plantarum (ATCC 55944) Analytical method ^a Enumeration in the feed additive: spread plate method using MRS agar (EN 15787) Identification in the feed additive: pulsed- field gel electrophoresis (PFGE).	3.	when used without combination with other micro- organisms as silage additives: $5 \times$ 10^{6} CFU/ kg fresh material. The additive shall be used in easy to ensile material ^c . For safety: it is recommended to use breathing protection and gloves during handling.
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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). Moderately difficult to ensile forages: 1,5-3,0 % soluble carbohydrate in fresh material (e.g. meadow grass, fescue or wilted alfalfa). Commission Regulation (EC) No 429/2008 (OJ L 133, 22.5.2008, p. 1).

- (**1**) OJ L 268, 18.10.2003, p. 29.
- (**2**) *EFSA Journal* 2012; 10(6):2732.