

TECHNICAL DATA SHEET

LACTOSIL

Silage Additive

PRODUCT DESCRIPTION:

- **Microbial composition :** *Lactobacillus plantarum* 14D/CSL
European authorization: Regulation (EU) No 399/2014.
Identification number of the additive: 1k20746
- **Strain deposit bank :** Colección española de cultivos tipo nr. CECT 4528 (14D)

PRODUCT CHARACTERISTICS

- **APPEARANCE:** white-ochre powder.
- **STANDARDIZATION EXCIPIENT:** Lactose (quantity vary in order to have the final microbial concentration)
- **PACKING:** aluminium-polythene sealed envelope. Net weight 100 grams. Cardboard box with 30 envelopes inside. Batch number, production date and shelf-life are printed on each envelope.
- **APPLICATION:** the product is a technological additive of the functional group 1/K silage additives (Reg. 1831/2003/EC) for all the animal species.

MICROBIAL SPECIFICATIONS:

Microbial Specifications	Limits	Analytical method <i>(analytical methods are available upon request)</i>
Assay (viable cells count)	≥ 250 bill cfu/g	
Yeasts and moulds	< 100 c.f.u./g	CSL SOP CQ-099 (ISO 6611)
Enterobacteriaceae	< 100 c.f.u /g	CSL SOP CQ-105 (ISO 21528-2)
<i>Salmonella</i>	absent/10 g	CSL SOP CQ-072 (AOAC certificate n°960801)

SHELF-LIFE:

- 36 months from the production date provided that the storage temperature is ≤ -18°C
- 18 months from the production date provided that the storage temperature is ≤ +8°C
- 6 months from the production date provided that the storage temperature is ≤ +25°C

PRECAUTIONS FOR CORRECT USE:

Keep and handle the product in dry cool place.

USE :

The product is suitable for inoculating materials easy, moderately difficult and difficult to ensile as defined in Regulation (EC) No 429/2008

Dissolve the contents of one envelope in 2-10 or more liters of tap water, then uniformly spread the suspension within the ensiling forage at harvest time or during the filling of the silo.

In order to achieve an optimal fermentation it is important to evenly distribute the product within the ensiled forage, and quickly press the forage and seal the silo. Keep unchanged the usual ensiling technique. When an envelope is open, its content is to be used within 24 h.

RECOMMENDED DOSAGE:

One envelope (100g) each 25000 to 50000 Kg (25-50 tons) of silage according to the crop and it's characteristics (dry matter – fermentable sugars – buffer capacity).