



# MILK-O®-CID LF

## Product Data Sheet

Date of issue: 26 September 2022

### Natamycin powder

**Description:** MILK-O®-CID LF is a natamycin preparation, a natural antimycotic produced by *Streptomyces natalensis*. MILK-O®-CID LF has an antimycotic activity towards a wide range of commonly occurring moulds and yeasts in the food industry and is also particularly effective against mould spores. MILK-O®-CID LF is used as preservative in dairy applications to help and extend the shelf-life of the treated products.

**Properties:**

Ingredient: Natamycin	E-no.: E235
Purity: 50%	Form: powder
	Colour: white to cream

Colour and appearance may vary from batch to batch. Colour intensity is not an indication of activity.

**Application:** MILK-O®-CID LF is mainly used for applications in the dairy industry. Examples of applications are given in below table.

Application	Dosage	Recommendation
Freshly made cheese	10-15 g/t	Dip or spray onto the cheese surface target up to 1 mg/dm <sup>2</sup>
Ripening cheese	5-10 g/t	Possible with and without coating Target 0.5-1 mg/dm <sup>2</sup>
Surface ripened cheese	3-5 g/t	Added with the smear water/cultures Target 0.3-0.5 mg/dm <sup>2</sup>
Shredded cheese	10-20 g/t	Sprayed directly or apply after dry blending with the anti-cake
In yoghurt or in fresh cheese preparations	10-20 g/t	Depending local requirements and regulations

All data are indicative only, efficacy of natamycin applications always dependent of the contamination level and storage conditions of the food product

**Activity:** Natamycin concentration in MILK-O®-CID LF is not less than 50% standardised with maximum 50% sodium chloride.

**GM Status:** The product and its constituents are not genetically modified. Active ingredients are produced by fermentation of classical microorganisms, which are removed and not present in the final product. Only agricultural raw materials of non-genetically modified (non-GM) origin are used for the fermentation process and in the final formulation.

**Composition:** MILK-O®-CID LF is stabilised with sodium chloride.

**Packaging and storage:** When stored in the original, food-grade sealed containers at 20°C in a dark and dry place, the product activity is preserved for 24 months.



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**Safety and caution:** Please consult the separately available Safety Data Sheet for further information.

**Compliance and legal:** The product is manufactured to comply with recommended purity specifications given by the Joint FAO/WHO Expert Committee on Food Additives (JECFA), and conforms with the recommended specifications of the Food Chemical Codex for food enzymes.

The use and labelling of MILK-O®-CID LF are only foreseen in accordance with the EU guidelines 96/77/EC and 95/2/EC for the food additive Natamycin (E235) or in accordance with 21 CFR § 172.155 (USA)

<b>Purity criteria:</b>	Total plate count	≤ 100 CFU per g
	Spore formers	≤ 10 CFU per g
	Coliforms	absent in 1 g
	Enterobacteriaceae	absent in 1 g
	Salmonella	absent in 25 g
	Listeria monocytogenes	absent in 25 g
	Moulds	absent in 5 g
	Heavy Metals (as Pb)	< 10 ppm
	Lead	< 2 ppm
	Arsenic	< 3 ppm
	Cadmium	< 0.5 ppm
	Mercury	< 1 ppm

**Special diet information:** Kosher: certified  
 Halal: certified  
 Vegan/Vegetarian: the product or any constituents are not of animal origin

**Certification:** WeissBioTech GmbH has a certified quality management system according to ISO 9001:2015 and a certified Food Safety Management System according to FSSC 22000 incl. HACCP, which are reviewed in regular audits.

Made by WeissBioTech GmbH, Germany

To the best of our knowledge, the information contained herein is accurate and complete. However, nothing herein contained shall be construed to imply any warranty or guarantee.

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