



# MILK-O®-CID 85

## Product Data Sheet

Date of issue: 26 September 2022

### Natamycin powder

**Description:** MILK-O®-CID 85 is a natamycin preparation, a natural antimycotic produced by *Streptomyces natalensis*. MILK-O®-CID 85 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 85 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: 85%	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 85 is used for applications in the dairy and meat industry. Examples of applications are given in below table.

Application	Dosage	Recommendation
Freshly made cheese	6-9 g/t	Dip or spray onto the cheese surface target up to 1 mg/dm <sup>2</sup>
Ripening cheese	3-6 g/t	Possible with and without coating Target 0.5-1 mg/dm <sup>2</sup>
Surface ripened cheese	2-3 g/t	Added with the smear water/cultures Target 0.3-0.5 mg/dm <sup>2</sup>
Shredded cheese	6-12 g/t	Sprayed directly or apply after dry blending with the anti-cake
In yoghurt or in fresh cheese preparations	6-12 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 85 is not less than 85% standardised with maximum 15% 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 85 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 85 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
	Bacillus cereus	absent in 1 g
	Enterobacteriaceae	absent in 1 g
	Listeria monocytogenes	absent in 25 g
	Moulds	absent in 5 g

<b>Heavy Metals (as Pb)</b>	< 10 ppm
Lead	< 2 ppm
Arsenic	< 3 ppm
Cadmium	< 0.5 ppm
Mercury	< 1 ppm

<b>Special diet information:</b>	<b>Kosher:</b>	certified
	<b>Halal:</b>	certified
	<b>Vegan/Vegetarian:</b>	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

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