neomoscan® RM

Alkaline cleaning agent for the food industry

Liquid concentrate



Fields of application:

- Cleaning of production systems, containers, tanks and lines using automated CIP processes or circulation processes in the food industry.
- Automated and manual cleaning of milking and milk-cooling systems as well as milk containers in milk-producing establishments.

Performance spectrum:

neomoscan RM is an alkaline, chlorine-based cleaning agent with the following properties:

- Effectively removes organic residues such as milk protein and fat
- High cleaning performance, including with stubborn soiling
- Foam-free adjustment; surfactant-free
- Effective even at low temperatures
- Good rinsing properties
- Suitable for all water hardnesses
- Prevents formation of calcium deposits
- Approved by the German Agricultural Society (DLG)[1] and included on the DLG product list of cleaning agents and disinfectants for milking systems (Group 2 R alkaline)
- Excellent material compatibility, in particular for silicone teat liners
- Suitable for stainless steel, brass, copper, and alkali- and chlorine-resistant plastics and seals

Application and dosage:

- Cleaning in automated CIP processes or circulation processes: The application concentration is 0.5–2.0 % (w/w) (e.g., about 39 ml per 10 L of water) depending on application, water hardness and degree of soiling at 40–85 °C.
- Cleaning of milking and milk-cooling systems: 0.5 % (w/w) in a temperature range of 30–80 °C for 10–20 min.

  For the removal of mineral deposits such as water hardness and milkstone, we recommend occasional acidic contrast cleaning with niroklar GR flüssig

General notes on application:

- For professional use only.
- In order to avoid product residues, rinse all surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Do not mix with other products.
- Rinse out dosing system including suction hoses with water before changing product.
- Dose only from the original container
- Do not use as a concentrate – only as a working solution
- Please observe the operating instructions given by the manufacturer of the system/device

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- The instructions given by the manufacturer of the milking and milk cooling systems are to be observed. The weigomatic dosing systems and neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Act (WHG). Suited to the individual conditions and requirements, we plan, install and maintain central and distributed dosing systems.

Determining concentration:

Add two drops of 3% hydrogen peroxide solution to 10 ml of neomoscan RM solution and briefly shake, then add one to two drops of phenolphthalein solution before titrating with 0.1 N hydrochloric acid (HCl) until the colour changes from red to colourless.

ml of 0.1 N HCl used x 0.4 = % (w/w) neomoscan RM

Technical data:

Appearance	Clear, yellowish liquid
pH value	Approx. 12.3 (1% in fully deionised water, 20 °C)
Density	Approx. 1.3 g/cm^3 (20 °C)
p-value	Approx. 10 (ml of 0.1 N HCl used in titration of 400 mg concentrate against phenolphthalein)
chlorine-based bleaching agent	Approx. 210-330 mg/l (in 1% application solution)

The product specification may contain deviating test parameters. This specification can be obtained on request.

Ingredients:

Ingredients for cleaning agents according to Regulation (EC) No. 648/2004 on detergents:

< 5% polycarboxylate, chlorine-based bleaching agent

5–15% phosphates

Storage information:

Always store at a temperature between 0 and 25 °C. Keep away from sunlight. Usable for 1 year when stored as recommended. For the expiry date, refer to the stamp mark on the label behind the hourglass symbol.

Changes in the colour of the product may occur when storing in factory-sealed trade units. This has no impact on the properties of the product which are relevant for application.

Hazard and precautionary statements:

For safety information, see Safety Data Sheets. These are available at www.drweigert.com under the category “Service/Downloads”.

If applied according to the instructions for use, the product is safe according to the applicable guidelines for food processing.

Dispose only when the container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

[1] DLG – German Agricultural Society (*Deutsche Landwirtschafs-Gesellschaft e.V.*)

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The details in this data sheet are based on our current knowledge and experience. They do not exempt users from conducting their own tests and experiments and do not constitute a legally binding commitment regarding specific properties.

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