



## Additive for cleaning solutions in the food industry

### Liquid concentrate

#### Fields of application:

- Enhancing the performance of cleaning solutions for cleaning of production and filling systems, boilers, evaporators, separators, containers, tanks and lines in the food industry using automated CIP processes or in circulation processes
- Removal of aroma compounds and colouring agents in the food and drinks industries

#### Performance spectrum:

doscan RV-O plus is an active-substance concentrate based on hydrogen peroxide and surfactants, among other things, with the following properties:

- Effectively removes even stubborn organic soiling
- Good wetting and accelerated dissolution and emulsification of dirt
- Reliably removes colouring agents and aroma compounds
- Foam-suppressing action at 40 °C and above
- The hydrogen peroxide content is broken down into environmentally harmless degradation products
- Suitable for oxidation-resistant materials and plastics
- Rubber must not be treated in processes involving long-term contact with peroxidic agents
- Material compatibility is geared towards the basic alkaline component used

#### Application and Dosage:

- doscan RV-O is used in combination with application solutions of caustic soda or nitric acid solutions as well as manufactured cleaning agents.

- When used in a CIP or circulation process doscan RV-O plus is dosed into the feed tank or inline for immediate use. The application concentration in alkaline cleaning solutions is 0.2 - 1.0 per cent by weight, depending on soiling, water hardness and application, in the temperature range of 60 °C - 85 °C
- In nitric acid application solutions, doscan RV-O plus is dosed in the concentration range of 0.2 - 0.5 per cent by weight, in the temperature range of 60 °C - 65 °C
- To guarantee optimum efficacy over the whole cleaning period doscan RV-O plus be dosed in intervals
- Due to the deoxygenation and the resulting increase in pressure, pressure compensation must be ensured when using doscan RV-O plus in closed systems
- doscan RV-O plus must not be mixed with active chlorine-containing cleaning solutions.
- Do not bring the undiluted product into contact with organic substances or with other concentrated cleaners and disinfectants

#### General notes on application:

- For professional use only.
- In order to avoid product residues, rinse surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Do not mix concentrate with other products.
- Rinse out dosing system including suction hose with water before changing product.
- Only dose 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.
- The weigomatic dosing systems resp. neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems.

### Determining concentration:

10 ml detergent solution is mixed with 5 ml of a 5 % potassium iodide-solution and 5 ml of 10 %-hydrochloric acid. After adding 1-2 drops of a 10 % ammonium molybdate solution the brown solution is titrated with 0.1 N sodium thiosulphate solution until colourless.  
 $\text{ml } 0.1 \text{ N sodium thiosulphate solution} \times 0.06 = \%$  (w/w) doscan RV-O plus

### Technical data:

Appearance	Clear, colourless liquid
pH-value	2.8 (1% in deionised water, 20 °C)
Density	approx. 1.1 g/cm <sup>3</sup> (20 °C)

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


### Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:

< 5 % non-ionic surfactants, anionic surfactants, phosphonates

15 - 30 % oxygen-based bleaching agents

### Storage information:

Always store at a temperature between 0 °C and 25 °C. Keep away from sunlight. Usable for 1 year when stored as recommended. For 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](http://www.drweigert.com) under the category "Service/Downloads".

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

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

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