

## Technical data sheet

**KRONES colclean DI 2012****Disinfectant for the food and beverage industry****Product description and application**

KRONES colclean DI 2012 is a high purity grade of hydrogen peroxide. It meets the highest performance standards of advanced spray and vapour aseptic packaging lines. KRONES colclean DI 2012 leaves minimal residues on spray nozzles and vaporizer surfaces. It exhibits excellent stability with stainless steel, leading to improved efficiency and reduced machine maintenance. KRONES colclean DI 2012 meets all requirements in the Food Chemical Codex and may be used in all food uses under FDA 21 CFR §178.1005. For industrial use only.

**Operating conditions**

Concentration:	depending on application 0.1% to 1% (corresponding to 300 to 3000ppm)
Dosing:	manually, automatically with machine cycle or controlled
Temperature:	cold to 60°C
Contact time:	60min to 6hours

**Concentration check**

Special titration method or via quick determination method

**Physical data / Specifications**

Form/colour/smell:	liquid, colorless, slightly pungent
pH value:	approx. 1.5-3.5
Density:	approx. 1.13 g/cm <sup>3</sup>
Freezing point:	- 27°C
Temperature stability:	>98% (24 hours at 100°C)
Residue (110°C):	max. 10ppm
Phosphate:	max. 1.5ppm
Iron:	max. 0.05ppm

**Material compatibility**

Compatible in the working concentration with all common metallic materials in food industry as well as with plastics and elastomers resistant to oxidants.

At the same time, however, the possibility of material incompatibilities cannot be completely ruled out. We recommend to carry out appropriate tests in case of uncertainty.

**Storage/ Shelf life**

The product should be stored sealed in the original container in a cool, well ventilated place. Protect from heat and direct sunlight. Do not store above 25°C. Protect against contamination.

Minimum shelf life: 1 year.

**Classification**

Please refer to the corresponding safety data sheet for details on:

Hazardous Information  
Transport Regulations  
Safety Regulations

**Disposal**

Recycling of packaging only fully emptied and closed.

Any product residues must be disposed of in accordance with local regulations. For further

information, please refer to our safety data sheet.

### **Further information**

Contains: hydrogen peroxide  
Ingredients according to EC regulation 648/2004  
>=30%: disinfectant  
See EC safety data sheet

### **Special instructions**

Use biocides safely. Always read the label and product information before use.  
Product contains 35g hydrogen peroxide per 100g.  
Due to possible incompatibilities with other products, it is recommended to rinse dosing equipment (pumps, pipes) thoroughly with water prior to a change-over to KRONES colclean DI 2012.

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This version of the technical data sheet supersedes all previous versions, which thereby become invalid.

All information and recommendations are based to the best of our knowledge on the latest state of the art in technology and our experience and do not constitute a contractual relationship. All references to DIN standards are for product description purposes only and do not constitute a guarantee. Processing and material quantities need to be adjusted to account for local conditions. In the event of problems, please seek technical advice. Subject to changes.