



# CELON Special

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Descaling detergent for CIP applications

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## → DESCRIPTION

**Celon Special** is a formulation based on nitric and phosphoric acid, enabling to obtain a solution with a high descaling power, able to remove inorganic residues from surfaces. It also acts as a passivating agent towards stainless steel surfaces.

**Celon Special** can be used for a wide range of applications in the food and beverage industries and in the dairy field, as it is suitable to solve milk and beer stones.

**Celon Special** is low foaming and this makes it ideal to be used for CIP applications.

**Celon Special** can be used with dosage and control automatic systems, in order to allow a correct dosage of the formulation.

## → TECHNICAL CHARACTERISTICS

Physical appearance: clear greenish liquid

pH (1% solution):  $2,0 \pm 0,5$

Relative density at 20°C:  $1,20 \pm 0,05$

Conductivity 1% sol. at 25°C: 14 mS/cm

The above indicated chemical-physical data represent the typical product's characteristics drawn from the analysis carried out on the product. These values are not a specification.

## → INSTRUCTIONS FOR USE\*

Use **Celon Special** in concentration between 0,8 and 5% and at temperature between 20 and 70°C. The exact modality is strictly connected with the kind of application, contamination and quantity of scale present. Carry out an accurate final rinsing with drinking-water.

## → FIELDS OF APPLICATION

Descaling of closed circuits, CIP plants, tanks and pipes. Treatment for the removal of mixed residues from moulds and equipments. Evaporator towers.





## CELON Special

### → COMPATIBILITY OF THE FORMULATION

**Celon Special** is compatible with most material normally present in food industries, if used according to the producer's indications. Do not use on aluminium, copper, zinc-plated iron and phenolic resins. Do not leave the static solutions in contact with surfaces for a long time. In case of doubt, carry out a test on the single material before using the product.

### → PRECAUTIONS FOR HANDLING AND STORAGE

Store in the original containers and avoid extreme temperatures. Consult the Material Safety Data Sheet.

### → TITRATION METHOD

Sample: 50 mL of washing solution

Indicator: phenolphthalein

Titration agent: solution of sodium hydroxide (NaOH) 1N

% (v/v) **Celon Special** = mL titration agent x 0,142

% (w/w) **Celon Special** = mL titration agent x 0,172

### → PACKAGING

25 kg net drums.

250 kg net drums.

1100 kg net IBC.

\*The indications have been established for general use conditions. For conditions differing from the norm, for example depending on the particular water hardness, the working method or cleaning problems, please consult us; our technical service will be pleased to advise you and to cooperate with you.

