

COSA[®] CIP 90

Description

Liquid, surfactant-containing detergent for the pharmaceutical and cosmetic industry

Characteristics

- high cleaning performance with low alkalinity
- suitable for CIP-systems
- high soil-suspending power

Subject to incoming goods control

Appearance:	clear, yellowish liquid
Refraction index n_D^{20}:	1.3782 - 1.3842
Titration:	
Use solution:	100 ml (1 % solution)
Titrant:	0.1 mol/l Hydrochloric Acid (HCl)
Endpoint:	pH-value = 3.5
Consumption:	9.0 – 10.0 ml
% Alkalinity (expressed as Na ₂ O):	
% Alkalinity as Na ₂ O =	
$\frac{(\text{ml HCl to pH 3.5}) \cdot (0.1 \text{ mol/l}) \cdot (31) \cdot (100)}{\text{Sample weight [g]} (1000)}$	
% Alkalinity (expressed as Na₂O): 2.79 - 3.10 %	

Properties

Concentrate	Storage stability:	0 - 40 °C
	Density:	1.03 - 1.07 g/cm ³
	P content:	0.34 %
	N content:	0.47 %
	COD:	610 - 650 mg O ₂ /g
	Flash point:	not applicable

Monitoring

Concentration determination

- **Titration**

Receiving flask:	100 ml application solution
Titration solution:	n/2 hydrochloric acid (HCl)
Indicator:	Methyl orange
Titration factor:	0.49

Volume added in ml x 0.49 = % **COSA CIP 90**

Concentration control

The dosage of **COSA CIP 90** can be performed volume- or time-proportional (e. g. by means of **Ecolab Elados EMP**-dosage pumps).

Safety

The relevant hazards identifications of **COSA CIP 90** are given in the EC Safety Data Sheet. If any questions arise in this context please contact your Ecolab representative.

The statements, information and data presented herein are believed to be accurate and reliable. The information describes the characteristic features of **COSA CIP 90** in ordinary use but can not be taken as a guarantee, express warranty or implied warranty for the suitability for a particular purpose and shall not extend mandatory warranty rights (if any). The specifications and performance may vary subject to the operational conditions. Since numerous parameters will influence product performance and applicability, this information does not exonerate the user from liability with respect to the suitability of the product and the appropriate safety measures to be taken. Moreover, a possible infringement of patent rights must be avoided at all times.

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