

COSA[®] PUR 84



Description	Liquid additive fo pharmaceutical ar	 Liquid additive for alkaline cleaning solutions for the pharmaceutical and cosmetic industry excellent removal of inorganic and organic deposits high soil-suspending power 		
Characteristics	excellent removahigh soil-suspen			
Subject to incomi	ng goods control			
	Appearance:	clear, yellow to brownish liquid		
	Density:	1.19 - 1.23 g/cm³		
	Titration:	26.6-29.4% (EDTA Titration		
		see "Monitorina"		

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Titration:	26.6-29.4% (EDTA Titration
	see "Monitoring"
pH:	8.5 - 9.5 (20 °C, concentrate)

Properties

Storage stability:	5 - 35 °C
ontent:	0.1 %
I content:	2.7 %
COD:	554 - 594 mg O ₂ /g
lash point:	not applicable
oam characteristics:	non foaming > 40 °C, suitable for CIP-systems
	torage stability: content: content: COD: lash point: oam characteristics:

Material compatibility:	COSA PUR 84 is, under the application described below and in combination with a 1 - 2 % alkaline cleaning solution compatible with	
Metals	austenitic CrNi steels (quality at least DIN 1.4301 = AISI 304)	
Plastics	PE, PP, PVC and Teflon	

Application	COSA PUR 84 is a and especially suita pharmaceutical and a	COSA PUR 84 is an additive to alkaline cleaning solutions and especially suitable for the removal of pigments in the pharmaceutical and cosmetic industry.		
Mode of application	General CIP applic etc)	cation (Homogenizers, pipelines, tanks,		
	Concentration:	1.0 - 2.0 % COSA CIP solution 0.5 - 1.0 % COSA PUR 84		
	Temperature:	45 - 95 °C (ideally 60 – 80°C) if added to COSA CIP 5 – 95°C if solely used		
	Contact time:	depending on degree and the type of soiling		
	Concentration, temperature and cleaning time can be optimized by evaluation of respective cleaning trials.			
	Final rinse with wa ensuring all soil and	ter of minimum drinking water quality, product residues are removed.		

Monitoring

Concentration determination

• Titration Determination of Cosa PUR 84 in alkaline cleaning solutions:

Reagents required:

2 n acetic acid 0.01 n copper sulphate solution: 2.5 g CuSO₄ x 5 H₂O are dissolved in 1000 ml distilled water Phenolphthalein PAN indicator: 0.1 % methanol

Determination:

Approx. 200 ml of the alkaline cleaning solution are mixed and filtered with a spatula tip of activated carbon. 50 ml of the filtered solution are titrated with 2n acetic acid against phenolphthalein to colourless.

Volume added 2 n acetic acid x 0.16 = % caustic soda

In a second step, 50 ml of the alkaline cleaning solution and additional 5 ml of 2 n acetic acid without phenolphthalein are added. Titration with 0.1 m copper sulphate solution against the PAN indicator from yellow to salmon pink.

Calculation:

Volume added in ml 0.01m $CuSO_4 \times 0.030$ = % **COSA PUR 84** **Concentration control** The dosage of **COSA PUR 84** can be performed volume- or time-proportional (e.g. by means of **Ecolab Elados EMP**-dosage pumps).

Safety

The relevant hazards identifications of **COSA PUR 84** 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 PUR 84** 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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