



# ALG Chemicals

Chemistry for Hygiene & Healthy Life

## SPECIFICATION SHEET

### CHLORHEXIDINE GLUCONATE 20% SOLUTION USP

CAS No.	MOLECULAR WEIGHT	MOLECULAR FORMULA	MANUFACTURER
18472-51-0	898 g/mol	$C_{22}H_{30}Cl_2N_{10} \cdot 2C_6H_{12}O_7$	ALG CHEMICALS

Sr.No.	Tests	Specification
1.	Description	Almost colourless or pale yellowish liquid.
2.	Identification	Tests A & B shall be positive.
3.	Assay	Not less than 19.0% w/v and not more than 21.0% w/v of $C_{22}H_{30}Cl_2N_{10} \cdot 2C_6H_{12}O_7$
4.	Impurities	Total impurities Not More Than 3.0%
	1.Organic Impurities	
	Chlorhexidine oxazinone analog	Not More Than 0.2%
	Specified unidentified impurity I	Not More Than 0.2%
	Chlorhexidine amine	Not More Than 0.3%
	Chlorhexidine guanidine	Not More Than 1.0%
	Chlorhexidine urea	Not More Than 0.2%
	p-clorophenyl urea	Not More Than 0.2%
	Chlorhexidine nitrile	Not More Than 0.4%
	Chlorhexidine dimer	Not More Than 0.5%
	o- Chlorhexidine and specified unidentified impurity 2	Not More Than 0.4a%
	Chlorhexidine glucityl triazine	Not More Than 0.4%
	OxoChlorhexidine	Not More Than 0.4%
	Unspecified Impurities	Not More Than 0.10%
	a.If present,o-chlorhexidine and specified unidentified impurity 2 may not be completely resolved by the method. these peaks are integrated together to determine conformance.	
	2. Limit of Chloroaniline	Not more than 500 ppm
5.	Specific Gravity	1.06 to 1.07.
6.	pH	5.5 to 7.0,when diluted 1 in 20 ml water





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<b>PACKAGING:</b>	25kg, 50 Kg, 220 kg HDPE Drums 1000 kg IBC Containers Other sizes available upon request.
<b>SHELF LIFE</b>	3 years from date of manufacture
<b>STORAGE CONDITIONS</b>	Store at room temperature in well closed container protected from light.
<b>TRANSPORT REGULATIONS:</b>	Classified as hazardous substance according to transport regulations ( class 9 ,UN 3082)
<b>OTHER:</b>	Application: Used in oral rinses for treating sore gums and ulcers. Also used in antiseptic skin care products.



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