



# ALG Chemicals

Chemistry for Hygiene & Healthy Life

## TECHNICAL DATASHEET

### ALGcare - CHB (Chlorhexidine Base)

CODE No.	CAS No.	MOLECULAR WEIGHT	MOLECULAR FORMULA	MANUFACTURER
CHB	55-56-1	505.5 g/mol	C <sub>22</sub> H <sub>30</sub> Cl <sub>2</sub> N <sub>10</sub>	ALG CHEMICALS

<b>CHARACTERISTICS:</b>	White or almost white powder. Insoluble in water(less than 0.01%)
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Sr. No.	Tests	Specification	
1.	Description	White to almost white	
2.	Melting Range	Between 132 °C to 136°C	
3.	Loss of drying	Not more than 0.5% w/w	
4.	Sulphated Ash	Not more than 0.1% w/w	
5.	P-chlor aniline	Not more than 500 ppm	
6.	Related substances By HPLC		
	<b>Name of impurity As per BP</b>	<b>Name of impurity as per USP</b>	<b>Limit</b>
	Impurity G	Chlorhexidine amine	Not More Than 0.3 %
	Impurity L	Chlorhexidine oxazinone anlog	Not More Than 0.2 %
	Impurity Q	Specified unidentified impurity-	Not More Than 0.2 %
	Impurity N	Chlorhexidine quinidine	Not More Than 1.0 %
	Impurity B	Chlorhexidine urea	Not More Than 0.2 %
	Impurity F	p-chlorhexidine urea	Not More Than 0.2 %
	Impurity A	Chlorhexidine nitrile	Not More Than 0.4 %
	Impurity H	Chlorhexidine dimer	Not More Than 0.5 %
	Impurity O+I	O chlorhexidine	Not More Than 0.4 %
	Impurity J	Chlorhexidine glucityl triazine	Not More Than 0.4 %
	Impurity K	Oxo chlorhexidine	Not More Than 0.4 %

<b>PACKAGING:</b>	25 kg HDPE Drums/250 kg Jumbo UN approved bag Other sizes available upon request.
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<b>SHELF LIFE</b>	3 years from date of manufacture
<b>STORAGE CONDITIONS</b>	Store in tightly closed, light resistant container and keep in cool, dry place
<b>TRANSPORT REGULATIONS:</b>	Classified as hazardous substance according to transport regulations ( class 9,UN 3077)



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