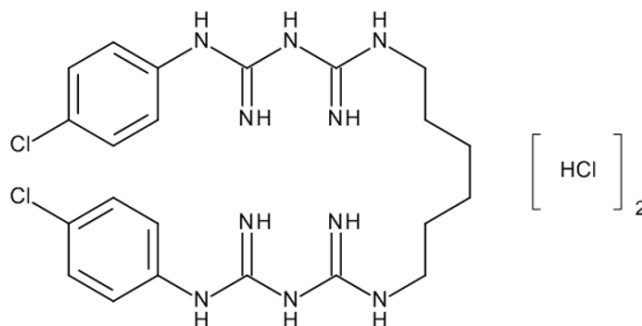


## PRODUCT Chlorhexidine Hydrochloride Ph. Eur.

CAS number 3697-42-5

SYNONYMS Chlorhexidine Dihydrochloride



CHARACTERISTICS White or almost white, crystalline powder. Very slightly soluble in water, slightly soluble in propylene glycol, very slightly soluble in ethanol

TEST	SPECIFICATION
<b>Assay (Content)</b>	98.0% to 101.0%
<b>Identification</b>	Conforms to Ph. Eur. test
<b>Impurity P (chloroaniline)</b>	Not more than 300ppm
<b>Loss on drying</b>	Maximum 1.0%
<b>Sulfated ash</b>	Maximum 0.1%
<b>Related substances</b>	Impurity H Not more than 0.5% Impurity K Not more than 0.4% Impurities I+O Not more than 0.4% Impurities A, N Not more than 0.15% (each) Unspecified impurities Not more than 0.10% Total impurities Not more than 1.0%

Impurity A	N1-(4-chlorophenyl)-N3-[6-[(N-cyanocarbamidoyl)-amino]hexyl]imidodicarbonimidic diamide
Impurity H	N1,N1'-[azanediylbis(carbonimidoylazanediylohexane-6,1-diyl)]bis[N3-(4-chlorophenyl)imidodicarbonimidic diamide]
Impurity I	Unknown structure
Impurity K	N-(4-chlorophenyl)-N'-[6-[[N-[N-(4-chlorophenyl)-carbamidoyl]carbamidoyl]amino]hexyl]-carbamidoyl]urea
Impurity N	N1-[6-(carbamidoylamino)hexyl]-N3-(4-chlorophenyl)imidodicarbonimidic diamide
Impurity O	N1-[6-[[N-[N-(2-chlorophenyl)carbamidoyl]-carbamidoyl]amino]hexyl]-N3-(4-chlorophenyl)-imidodicarbonimidic diamide,

ENQUIRY