

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
Chlorhexidine diacetate salt hydrate - bis(biguanide) antimicrobial

Product Number: **C6143**
CAS Number: 56-95-1



Formula: C₂₂H₃₀Cl₂N₁₀.2C₂H₄O₂
Formula Weight: 625.56 AMU

TEST

Specification

Appearance (Colour)	White to Off-White
Appearance (Form)	Powder
Solubility (Colour)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear
50 mg/ml, EtOH	
Loss on Drying	≤ 6 %
Proton NMR spectrum	Conforms to Structure
Carbon (Dry Basis)	48.7 - 51.1 %
Nitrogen (Dry Basis)	21.8 - 22.9 %
Titration by HClO ₄	≥ 98 %
(dry basis)	
Purity (HPLC)	≥ 98 %

Specification: PRE.0.ZQ5.10000018417

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.