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Certificate of Analysis

Product Name:

Chlorhexidine diacetate salt hydrate - bis(biguanide) antimicrobial

Product Number: C6143
Batch Number: WXBC6938V
Brand: SIGMA
CAS Number: 56-95-1
Formula: C₂₂H₃₀Cl₂N₁₀.2C₂H₄O₂
Formula Weight: 625.56 AMU
Quality Release Date: 13 FEB 2018
Recommended Retest Date: FEB 2023



Test	Specification	Result
Appearance (Colour)	White to Off-White	White
Appearance (Form)	Powder	Powder
Solubility (Colour)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/ml, EtOH		
Loss on Drying	≤ 6 %	2 %
Proton NMR spectrum	Conforms to Structure	Conforms
Carbon (Dry Basis)	48.7 - 51.1 %	49.1 %
Nitrogen (Dry Basis)	21.8 - 22.9 %	22.9 %
Titration by HClO ₄	≥ 98 %	99 %
(dry basis)		
Purity (HPLC)	≥ 98 %	99 %



Steven Chen, Manager
Quality Control
Wuxi, China CN

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.