Certificate of Analysis

Product Name: CHLORAL HYDRATE

meets analytical specification of Ph. Eur., BP, USP, 99.5-101

%

Product Number:15307Batch Number:BCBX6060Brand:Sigma-AldrichCAS Number:302-17-0Formula: $Cl_3CCH(OH)_2$

Formula Weight: 165.40
Quality Release Date: 25 JUL 2018
Recommended Retest Date: DEC 2021

TEST SPECIFICATION RESULT

APPEARANCE (COLOR) COLORLESS OR WHITE WHITE

APPEARANCE (FORM) POWDER OR CRYSTALS POWDER

TITRATION (METHOD) 99.5 - 101.0 % 99.7 %

TITRATION (METHOD)ACIDIMETRICACIDIMETRICSOLUBILITY (COLOR)COLORLESSCOLORLESSSOLUBILITY (TURBIDITY)CLEARCLEAR

SOLUBILITY (METHOD) 1G IN 10ML WATER 1G IN 10ML WATER

PH 3.5 - 5.5 4.9

INFRARED SPECTRUM CONFORMS TO STRUCTURE CONFORMS

PHARMACOPOEA TESTS SULFATED ASH <=0.1% CORRESPONDS TO PH.EUR.

ACIDITY COMPLYING CHLORIDE <= 70MG/KG

REACTION AGAINST H2SO4 COMPLYING

NON-VOLATILE MATTER <=0.1% HEAVY METALS (AS PB) <= 20 MG/KG CHLORAL ALCOHOLATE COMPLYING

RESIDUAL SOLVENTS (GLC-HS) COMPLYING COMPLYING

Dr. Reinhold Schwenninger

Dr. R. Slux

Quality Assurance Buchs, Switzerland

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.