

Certificate of Analysis

Product Name: THEOBROMINE
analytical standard
Product Number: 42993
Batch Number: BCBN1298
Brand: Sigma-Aldrich
CAS Number: 83-67-0
Formula: C₇H₈N₄O₂
Formula Weight: 180.16
Expiration Date: APR 2017
Quality Release Date: 13 MAY 2014

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO FAINT YELLOW	WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
PURITY (HPLC AREA %)	≥ 99.0 %	99.9 %
CARBON CONTENT	46.67 % (THEORY)	46.47 %
HYDROGEN CONTENT	4.48 % (THEORY)	4.66 %
NITROGEN CONTENT	31.10 % (THEORY)	31.37 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS



Dr. Claudia Geitner
Manager Quality Control
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.