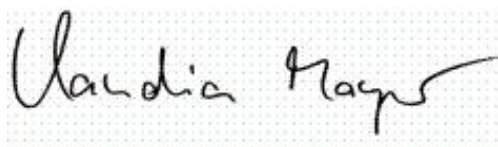


Certificate of Analysis

Product Name: METHANESULFONIC ACID
≥ 99.0 %
Product Number: 471356
Batch Number: STBH6537
Brand: Sigma-Aldrich
CAS Number: 75-75-2
Formula: CH₃SO₃H
Formula Weight: 96.11
Quality Release Date: 18 JUN 2018
Recommended Retest Date: MAY 2020

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS TO LIGHT YELLOW	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
COLOR (IN APHA)	≤ 150 APHA	< 20 APHA
TITRATION (T) NAOH 0.1M	99.00 - 101.00 %	99.71 %
PROTON NMR SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS



Claudia Mayer
Manager Quality Control
Steinheim, Germany

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.