

Certificate of Analysis

Product Name: (Z)-3-METHYLGLUTACONIC ACID
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Product Number: 42641
Batch Number: BCBP3698
Brand: Sigma-Aldrich
CAS Number: 15649-56-6
Formula: C₆H₈O₄
Formula Weight: 144.13
Storage Temperature: 2-8 C
Quality Release Date: 12 JUN 2015

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO OFF WHITE	WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
PURITY (HPLC AREA %)	≥ 95.0 %	97.9 %
MELTING POINT	148 - 151 C	149 C
CARBON CONTENT	50.00 % (THEORY)	49.92 %
HYDROGEN CONTENT	5.59 % (THEORY)	5.63 %
PROTON NMR SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
CARBON 13 NMR SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS



Dr. Claudia Geitner
Manager Quality Control
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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.