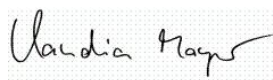


Certificate of Analysis

Product Name: DIETHYL 3-HYDROXYGLUTARATE
95 %
Product Number: D97002
Product Brand: Aldrich
Molecular Formula: C₉H₁₆O₅
Molecular Mass: 204.22
CAS Number: 32328-03-3

TEST	SPECIFICATION	LOT S23468V RESULTS
APPEARANCE (COLOR)	COLOURLESS	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
PURITY (GC AREA %)	≥ 94.0 %	97.7 %
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS

QC RELEASE DATE 27/MAY/04
REASSAYED ON 29/MAR/10



Claudia Mayer, Manager
Quality Control
Steinheim, Germany

Sigma-Aldrich warrants, that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice for additional terms and conditions of sale. The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.