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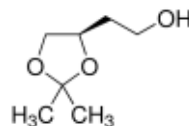
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Certificate of Analysis

Product Name:

(4R)-4-(2-Hydroxyethyl)-2,2-dimethyl-1,3-dioxolane - 96%

Product Number: 331074
Batch Number: MKBR2115V
Brand: ALDRICH
CAS Number: 70005-89-9
MDL Number: MFCD02682966
Formula: C7H14O3
Formula Weight: 146.18 g/mol
Quality Release Date: 25 AUG 2014



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Proton NMR Spectrum	Conforms to Structure	Conforms
Optical Rotation c = 3.5%; Ethanol	-1.3 - -0.7 deg	-1.2 deg
Purity (GC)	≥ 95.5 %	97.9 %

Ali Ataei, Manager
Quality Control
Milwaukee, WI US

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.