Certificate of Analysis

Product Name: DL-LACTONITRILE

>= 97.0 % T

Product Number: 69830

Batch Number: BCBM8302V

Brand: Aldrich CAS Number: 78-97-7

Formula: CH₃CH(OH)CN

Formula Weight: 71.08

Quality Release Date: 28 MAY 2014 Date retested: 21 JAN 2021

TEST SPECIFICATION

STABILIZER ~ 1 % PHOSPHORIC ACID ~ 1 % PHOSPHORIC ACID

APPEARANCE (COLOR) COLORLESS TO DARK RED LIGHT YELLOW

 APPEARANCE (FORM)
 LIQUID
 LIQUID

 TITRATION
 97.0 - 100.0 %
 97.7 %

TITRATION (METHOD) - N-DETERMINATION ACCORDING TO

KJELDAHL

RESULT

SPECIFIC ROTATION (20/D) 0.00 ± 0.10 DEGREES 0.0 DEGREES

 CONCENTRATION
 NEAT
 NEAT

 REFRACTIVE INDEX N20/D
 1.402 - 1.406
 1.404

 WATER
 ~ 1 %
 0.15 %

PROTON NMR SPECTRUM CONFORMS TO STRUCTURE CONFORMS

Dr. Reinhold Schwenninger

Dr. R. Slury

Quality Assurance 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.