

# Certificate of Analysis

**SIGMA-ALDRICH**

**Product Name** Acetaldehyde,  
ACS reagent, ≥99.5%

**Product Number** 402788

**Product Brand** SIAL

**CAS Number** [75-07-0](#)

**Molecular Formula** CH<sub>3</sub>CHO

**Molecular Weight** 44.05

**TEST****APPEARANCE****INFRARED SPECTRUM****GAS LIQUID****RESIDUE ON EVAPORATION****TITRATABLE ACID****SPECIFICATION**

COLORLESS LIQUID

CONFORMS TO STRUCTURE.

99.50% (MINIMUM)

0.005% (MAXIMUM)

0.008 MEQ/G (MAXIMUM)

REVISED DECEMBER 7, 2005 JAD

REVISED JANUARY 21, 1998 JSB

**LOT 00162EH RESULTS**

COLORLESS LIQUID

CONFORMS TO STRUCTURE.

99.80%

0.004%

0.007 MEQ/G

MEETS ACS 10TH EDITION  
REQUIREMENTSMEETS ACS 10TH EDITION  
REQUIREMENTS

JUNE 2007

**QUALITY CONTROL**

Barbara Rajzer, Supervisor  
Quality Control  
Milwaukee, Wisconsin USA