

Certificate of Analysis

SIGMA-ALDRICH®

Product Name Octane,
anhydrous, ≥99%
Product Number 296988
Product Brand SIAL
CAS Number [111-65-9](#)
Molecular Formula CH₃(CH₂)₆CH₃
Molecular Weight 114.23

TEST

APPEARANCE

REFRACTIVE INDEX AT

INFRARED SPECTRUM

GAS LIQUID

TITRATION

**RESIDUE ON
EVAPORATION**

QUALITY CONTROL

SPECIFICATION

COLORLESS LIQUID

1.398 +/- 0.002

CONFORMS TO
STRUCTURE.

99.0% (MINIMUM)

0.005% H₂O (MAXIMUM)
(100 ML UNIT SIZE
ONLY)

0.0003% (MAXIMUM)

LOT 02562CC RESULTS

COLORLESS LIQUID

1.3990

CONFORMS TO
STRUCTURE.

99.44 %

0.0005 % H₂O

0.00001 %

MAY, 2004.



Barbara Rajzer, Supervisor
Quality Control
Milwaukee, Wisconsin USA