

# Certificate of Analysis

SIGMA-ALDRICH®

**Product Name** Octane,  
anhydrous, ≥99%  
**Product Number** 296988  
**Product Brand** SIAL  
**CAS Number** [111-65-9](#)  
**Molecular Formula** CH<sub>3</sub>(CH<sub>2</sub>)<sub>6</sub>CH<sub>3</sub>  
**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% H<sub>2</sub>O (MAXIMUM)  
(100 ML UNIT SIZE  
ONLY)

0.0003% (MAXIMUM)

## LOT 02351AD RESULTS

COLORLESS LIQUID

1.3974

CONFORMS TO  
STRUCTURE.

99.68%

0.0013% H<sub>2</sub>O

<0.00010%

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