

Certificate of Analysis

SIGMA-ALDRICH®

Product Name 5- α -Cholestane,
≥97.0% (HPLC)
Product Number C8003
Product Brand SIGMA
CAS Number [481-21-0](#)
Molecular Formula C₂₇H₄₈
Molecular Weight 372.67

TEST

SPECIFICATION

LOT 073K4072 RESULTS

APPEARANCE

WHITE TO OFF-WHITE
POWDER

WHITE POWDER

SOLUBILITY

CLEAR TO VERY
SLIGHTLY HAZY
COLORLESS TO FAINT
YELLOW SOLUTION AT
50MG/ML IN
CHLOROFORM

CLEAR COLORLESS

IDENTITY

CONSISTENT WITH
STRUCTURE BY IR OR
NMR

H-NMR SPECTRUM
CONFORMS

SPECIFIC ROTATION

+23 TO +27 DEG (C=2 IN
CHLOROFORM)

+25 DEG

PURITY BY GAS CHROMATOGRAPHY

MINIMUM 97%

98%

QC RELEASE DATE

AUGUST 2003

PRODUCT CROSS REFERENCE INFORMATION

REPLACEMENT FOR
ALDRICH #150320



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