

Certificate of Analysis

SIGMA-ALDRICH

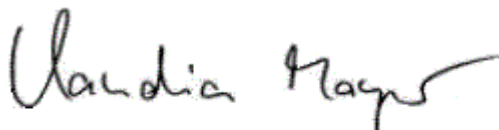
Product Name Anthrone,
ACS reagent, 97%
Product Number 319899
Product Brand SIAL
CAS Number [90-44-8](#)
Molecular Formula C₁₄H₁₀O
Molecular Weight 194.23

TEST

QC Acceptance date
APPEARANCE - COLOUR
APPEARANCE - STATE
ELEMENTAL ANALYSIS - CARBON
ELEMENTAL ANALYSIS - HYDROGEN
IR SPECTROSCOPY - FTIR SPECTRUM
IR SPECTROSCOPY - REFERENCE
MELTING POINT
A.C.S.-TEST - SENSITIVITY TEST
SOLUBILITY - CONCENTRATION
SOLUBILITY - COLOUR
SOLUBILITY - CLARITY
UV-VIS SPECTRUM - WAVELENGTH 1
UV-VIS SPECTRUM - WAVELENGTH 2
UV-VIS SPECTRUM - ABSORBANCE_1
UV-VIS SPECTRUM - ABSORBANCE_2

SPECIFICATION**LOT S22668-016 RESULTS**

12-MAY-2004
LIGHT YELLOW
FINE CRYSTALS
86.29%
5.22%
CONFORMS TO REFERENCE
1(2), 74B
156.4-159.0 DEG C
PASSES TEST
2% IN ETHYL ACETATE
FAINT YELLOW
CLEAR
425.0nm
620.0nm
<0.75%
<0.045%



Claudia Mayer
Manager Quality Control
Steinheim, Germany