

Specification Sheet

SIGMA-ALDRICH®

Product Name	Anthrone, ACS reagent, 97%
Product Number	319899
Product Brand	SIAL
CAS Number	90-44-8
Molecular Weight	194.23

TEST

APPEARANCE (COLOR)

Off White to Yellow

APPEARANCE (FORM)

Powder or Crystals

MELTING POINT

5 DEGREES CELSIUS RANGE (MAXIMUM), INCLUDING 156 DEGREES C

SOLUBILITY (COLOR)

Faint Yellow to Yellow

SOLUBILITY (TURBIDITY)

Clear

SOLUBILITY (METHOD)

2% IN ETHYL ACETATE

CARBON CONTENT

83.5 - 89.6 %

INFRARED SPECTRUM

CONFORMS TO STRUCTURE

WAVELENGTH (1) (UV)

425 NM, PASSES ABSORBANCE OF REAGENT SOLUTION TEST

ABSORBANCE (1)

≤ 0.75

WAVELENGTH (2) (UV)

620 NM, PASSES ABSORBANCE OF REAGENT SOLUTION TEST

ABSORBANCE (2)

≤ 0.045

SOLVENT (UV)

SULFURIC ACID (ACC. TO ACS-TEST ABSORBANCE OF REAGENT SOLUTION)

MISCELLANEOUS TESTS

PASSES TEST SENSITIVITY TO CARBOHYDRATES

ACS SPECIFICATIONS

PASSES