

Certificate of Analysis

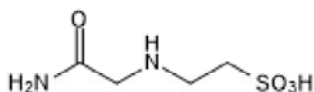
www.tocris.com

Product Name: ACES
CAS Number: 7365-82-4
IUPAC Name: *N*-(2-Acetamido)-2-aminoethanesulfonic acid

Catalog No.: 5879 **Batch No.:** 1
EC Number: 230-908-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄H₁₀N₂O₄S
Batch Molecular Weight: 182.2
Physical Appearance: White solid
Solubility: water to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Assay (titration): 100.1%
pKa: 6.8

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com
info@bio-techne.com
techsupport@bio-techne.com

North America
Tel: (800) 343 7475

China
info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa
Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
Tel: +1 612 379 2956

Product Name: ACES

Catalog No.: 5879

Batch No.: 1

CAS Number: 7365-82-4

EC Number: 230-908-4

IUPAC Name: *N*-(2-Acetamido)-2-aminoethanesulfonic acid

Description:

Widely used zwitterionic buffer. Working pH range in aqueous solution: 6.1 - 7.5. Used as a buffering component in cell culture media, agarose and polyacrylamide electrophoresis and isoelectric focusing of proteins.

Physical and Chemical Properties:

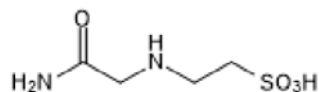
Batch Molecular Formula: C₄H₁₀N₂O₄S

Batch Molecular Weight: 182.2

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956