

## Certificate of Analysis

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**Product Name:** CHES

**Catalog No.:** 5883

**Batch No.:** 1

CAS Number: 103-47-9

EC Number: 203-115-6

IUPAC Name: 2-(N-Cyclohexylamino)ethanesulfonic acid

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>8</sub>H<sub>17</sub>NO<sub>3</sub>S

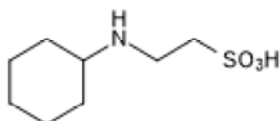
**Batch Molecular Weight:** 207.29

**Physical Appearance:** White solid

**Solubility:** water to 100 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Purity (titration):** 99.1%

**pKa:** 9.5

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

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## Product Information

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**Batch No.:** 1

CAS Number: 103-47-9

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IUPAC Name: 2-(N-Cyclohexylamino)ethanesulfonic acid

### Description:

Buffering agent. Working pH range in aqueous solution: 8.6-10.0.

### Physical and Chemical Properties:

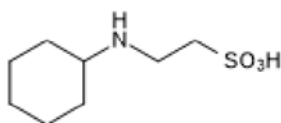
Batch Molecular Formula: C<sub>8</sub>H<sub>17</sub>NO<sub>3</sub>S

Batch Molecular Weight: 207.29

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.

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