

Certificate of Analysis

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Product Name: Sodium bicarbonate
CAS Number: 144-55-8
IUPAC Name: Sodium hydrogen carbonate

Catalog No.: 3152 **Batch No.:** 10
EC Number: 205-633-8

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: NaHCO₃
Batch Molecular Weight: 84.01
Physical Appearance: White solid
Solubility: water to 1000 mM
Storage: Store at RT
Batch Molecular Structure: NaHCO₃

2. ANALYTICAL DATA

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

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Product Information

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Product Name: Sodium bicarbonate
CAS Number: 144-55-8
IUPAC Name: Sodium hydrogen carbonate

Catalog No.: 3152 **Batch No.:** 10
EC Number: 205-633-8

Description:

Commonly used laboratory reagent

Physical and Chemical Properties:

Batch Molecular Formula: NaHCO₃

Batch Molecular Weight: 84.01

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:

NaHCO₃

Storage: Store at RT

Solubility & Usage Info:

water to 1000 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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