Sodium Bicarbonate, cell culture tested

CAT N°: 509635

CAS N°: 144-55-8

Molecular weight: 84.01 g/mol

Chemical formula: NaHCO3

Colour: White to off-white crystalline powder

Storage conditions: Room Temperature

Shelf life: 48 months

Tests and Specifications:
- Solubility in water: Soluble
- pH in solution: 4.3 ± 4.3
- Chloride: ≤ 150 ppm
- Sulphates: ≤ 150 ppm
- Ammonium: ≤ 20 ppm
- Arsenic: ≤ 2 ppm
- Calcium: ≤ 100 ppm
- Iron: ≤ 20 ppm
- Heavy metals: ≤ 10 ppm
- Assay: 100 % ± 1%

Recommended use:
- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store the product in a dry area
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall…)
- Protect the product from any form of humidity
- Use, in one time, after opening, the entire quantity of product of the container. If it is not possible, close the container immediately after sampling the quantity of powder required.

The product is intended to be used in vitro for research or further manufacturing only and not for use as an Active Pharmaceutical Ingredient or food or animal feed.

Application:
Sodium Bicarbonate may be useful in cell culture applications when pH maintenance is critical. Cells vary in sensitivity to buffers, and may exhibit toxic reactions to them even at recommended working concentration. We recommend that you consult the literature or test different buffer concentrations to determine the most effective supplement for a particular cell type and for individual culture conditions.

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