

Technical Data Sheet

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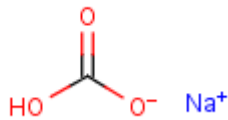
Sodium Bicarbonate, cell culture tested

Product code:  
PM-S2011

**Molecular Weight** : 84.01 g/mol

**CAS N°** : 144-55-8

**Chemical Formula** :  $\text{NaHCO}_3$



**Storage conditions** : Room temperature

**Shelf life** : 48 months

Tests	General specifications
Appearance	Crystal powder, white
Solubility in water	Soluble
Solubility in alcohol at 96%	Practically insoluble
Appearance in solution	Limpid and colourless
pH in solution	0.0 – 8.6
Chloride	≤ 150 ppm
Sulphates	≤ 150 ppm
Ammonium	≤ 20 ppm
Arsenic	≤ 2 ppm
Calcium	≤ 100 ppm
Iron	≤ 20 ppm

Heavy metals	≤10 ppm
Sodium Bicarbonate	99.0% - 101.0%

**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, in laboratory only. Do not use it in therapy, human or veterinary applications.

**Utilisation :**

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.