

Sodium bicarbonate, United States Pharmacopeia (USP) Reference Standard

Cat. No.:	HY-W251598J
CAS No.:	144-55-8
Molecular Formula:	NaHCO ₃
Molecular Weight:	84.01
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Sodium bicarbonate, United States Pharmacopeia (USP) Reference Standard is an inorganic salt. Sodium bicarbonate shows antimicrobial activity ^[1] .
In Vitro	Sodium bicarbonate inhibits the growth of bacteria and yeasts in agar media model systems under certain conditions. Escherichia coli, Lactobacillus plantarum, Staphylococcus aureus, and Pseudomonas aeruginosa aerobic plate counts are reduced 10,000-fold by 0.12M (1% w/v) Sodium bicarbonate ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. LAURA, et al. Antimicrobial Activity of Sodium Bicarbonate : A Research Note[J]. Journal of Food Science, 1988.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA