



DATA SHEET

Sodium Bicarbonate USP
No. 1 Powder

Chemical Name : Sodium Bicarbonate
Formula : NaHCO₃
Molecular Weight : 84.01
CAS Name : Carbonic acid monosodium salt
CAS Number : 144-55-8
Description : White, Crystalline Powder
Grade: : USP No. 1 Powder
Meets United States Pharmacopoeia and Food Chemical
Codex Spec.

Specifications and Requirements

	<u>United States Pharmacopoeia (USP)</u>	<u>Food Chemicals Codex (FCC)</u>
Assay (dry basis)	99.0% - 100.5%	99.0% min.
Insoluble substances	Meets USP test	Passes FCC test
Loss on drying	0.25% max.	0.25% max.
Ammonia	Meets USP test	Passes FCC test
Arsenic	2 ppm max.	3 ppm max (as As)
Heavy Metals	5 ppm max.	5 ppm max (as Pb)
Carbonate	Meets USP test	No FCC requirement
Chloride (as CL)	150 ppm max.	No FCC requirement
Sulfate (SO ₄)	150 ppm max.	No FCC requirement
Identification	Responds to USP tests for Sodium and Bicarbonate	Positive in FCC tests for Sodium and Bicarbonate