

## USP Grade 1 Powdered

### Product Data Sheet

Meets United States Pharmacopeia (USP) and Food Chemicals Codex (FCC) Standards.

Most commonly used as a leavening agent in food applications.

Formula	NaHCO <sub>3</sub>
Molecular Weight	84.01
CAS	144-55-8
Carbonic acid monosodium salt	
Monosodium carbonate	

### Specifications

	USP	FCC
Assay	99.0% -100.5%	99.0% -100.5%
Loss on drying	0.25% Maximum	0.25% Maximum
Insoluble substances	No USP Requirement	Conforms
Chloride, as Cl <sup>-</sup>	150 ppm Maximum	No FCC Requirement
Sulfur Compounds	150 ppm Maximum	No FCC Requirement
Heavy metals	5 ppm Maximum	No FCC Requirement
Lead (Pb)	No USP Requirement	2 ppm Maximum
Arsenic, as As	2 ppm Maximum	No FCC Requirement
Ammonia	Conforms	Conforms
Normal Carbonate	Passes USP Test	No FCC Requirement
Identity	Passes USP Test	Conforms

### Typical Properties and Physical Characteristics

Particle Size Distribution	Micron	% Cumulative Retained	
		Minimum	Maximum
U.S. Standard Sieve			
+ 100 Mesh	150	0	2
+ 200 Mesh	75	20	45
+ 325 Mesh	45	60	100

Appearance	White Crystalline Powder
Bulk Density lb/ft <sup>3</sup> (g/l)	68-75 (1090-1202)
pH (1% Solution)	8.3

Applicable Standards:	Meets USP and FCC
Applicable Certifications:	NSF, Kosher and Kosher Passover



# BICAR<sup>®</sup> Sodium Bicarbonate

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Before using, read the Material Safety Data Sheet (MSDS) for the chemical.

