



BICAR[®] SODIUM BICARBONATE

USP Food Grade 1 Powdered

Technical Data Sheet

BICAR[®] SODIUM BICARBONATE USP FOOD GRADE 1 POWDERED

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

APPLICATIONS

This product is suitable for food use.
Most commonly used as a leavening agent in food applications.
Meets United States Pharmacopeia Sodium Bicarbonate Monograph (USP) and Food Chemicals Codex (FCC) Standards.

This product is not intended for pharmaceutical use.

Applicable Certifications: NSF 60, Kosher and Kosher Passover

SPECIFICATIONS

FCC

Assay	99.0% - 100.5%
Loss on drying	0.25% Maximum
Insoluble substances	Conforms
Lead (Pb)	2 ppm Maximum
Ammonia	Conforms
Identity	Conforms

USP

Chloride	150 ppm Maximum
Sulfur compounds	150 ppm Maximum
Heavy metals	5 ppm Maximum
Arsenic	2 ppm Maximum
Limit of Ammonia	Conforms
Normal carbonate	Conforms

Particle Size Distribution

U.S. Standard Sieve	Micron	Minimum	Maximum
+100 Mesh	150	0	2
+200 Mesh	75	20	45
+325 Mesh	45	60	100

% Cumulative Retained

TYPICAL PROPERTIES AND PHYSICAL CHARACTERISTICS

Appearance	White Crystalline Powder
Bulk Density lb/ft ³	68 – 82
pH (1% Solution)	8.3

Solvay Chemicals, Inc.

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1-800-765-8292
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**Before using, read Safety Data Sheet (SDS) for this chemical.
Solvay Chemicals, Inc.
24-hour Emergency Phone Number – 800-424-9300 (CHEMTREC[®])**

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