

Product: Sodium Bicarbonate, ACS/USP
Catalog Number: 78430

Formula: NaHCO₃
Formula Weight: 84.01
CAS Number: 144-55-8

SPECIFICATION

<u>Test</u>	<u>Specification</u>
Appearance	white crystalline powder
Assay (on dried basis, by titration)	99.7% to 100.3%
Identification	positive for Sodium positive for Bicarbonate
Insoluble Matter	NMT 0.015%
Loss on Drying (4gm, 4 hours over silica gel)	NMT 0.25%
Normal Carbonate	acceptable
Organic Volatile Impurities.....	meets the requirements
pH (7.5gm in 100mL water)	check and record
Osmolality (7.5gm in 100mL water).....	check and record
Solubility (1gm in 20mL water)	complete and clear
Heavy Metals (as Pb)	NMT 5 ppm
Arsenic (As)	NMT 2 ppm
Calcium (Ca).....	NMT 0.01%
Chloride (Cl).....	NMT 0.003%
Iron (Fe)	NMT 0.001%
Magnesium (Mg).....	NMT 0.004%
Sulfur Compounds (as SO ₄)	NMT 0.003%
Ammonium (NH ₄).....	NMT 5 ppm
Limit of Ammonia (no odor of ammonia)	acceptable
Phosphate (PO ₄).....	NMT 0.001%
Potassium (K)	NMT 0.005%
Cytotoxicity	customer will test
Endotoxin.....	NMT 5 EU/mg

Additional Information

Storage Conditions 15°C to 30°C
This product is of non-animal, non-human origin and was not exposed to animal origin material during the manufacturing process.
Date of Manufacture

Expiration Date