



Product Specification

SODIUM HYDROGEN CARBONATE AR MEETS ANALYTICAL SPECIFICATION OF BP, USP, PH. EUR.

PRODUCT CODE	643545
SYNONYMS	(Sodium bicarbonate)
C.I. NO.	--
CASR NO.	(144-55-8)
ATOMIC OR MOLECULAR FORMULA	NaHCO₃
ATOMIC OR MOLECULAR WEIGHT	84.01
PROPERTIES	--

NaHCO₃

PARAMETER	LIMIT
Description	A white crystalline powder.
Solubility	5% solution in water is almost clear and colourless.
Identification	Passes test.
Assay (Acidimetric)	99.7 – 100.3%
pH (1% Aq. soln.)	Not more than 8.4
MAXIMUM LIMIT OF IMPURITIES	
Loss on drying (on silica gel for 4 hrs.)	0.25%
Insoluble matter	0.01 5%
Insoluble substances	Passes test.
Limit of ammonia	Passes test.
Ammonium (NH ₄)	0.0005%
Chloride (Cl)	0.003%
Nitrogen compounds (N)	0.001%
Phosphate (PO ₄)	0.001%
Silicate (SiO ₂)	0.005%
Sulphate (SO ₄)	0.003%
Aluminium (Al)	0.00005%
Arsenic (As)	0.00004%
Calcium (Ca)	0.005%
Copper (Cu)	0.005%
Iron (Fe)	0.001%
Heavy metals (as Pb)	0.0005%
Magnesium (Mg)	0.005%
Substances reducing iodine	0.0065%



Central Drug House (P) Ltd.

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Normal carbonate	Passes test.
Limit of sulphur compounds	0.01 5%
Limit of organics	0.01%
Organic volatile impurities	Meets the requirement.

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : May be harmful if swallowed. Causes mild skin irritation. Causes eye irritation

Precautionary statements

Prevention : Wash hands thoroughly after handling.

Response : If skin irritation occurs, seek medical advice/attention. If eye irritation persists, get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

IMDG Code :

UN No. :

IATA :

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water

Hazard Pictogram(s) :-