



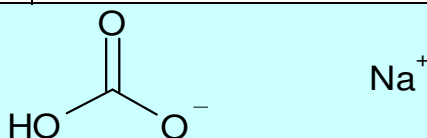
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Quality Control Dept.



C Product Specification

E Control	QC2\DATAD\DA\PS\20247XPS.xls
PRODUCT CODE	20247
PRODUCT NAME	SODIUM HYDROGEN CARBONATE AR,ACS Meets Analytical Specification of BP, USP, Ph. Eur. ("NOT FOR DIRECT MEDICINAL USE")
SYNONYMS	(Sodium bicarbonate)
C.I. NO.	--
CASR NO.	(144-55-8)
ATOMIC OR MOLECULAR FORMULA	NaHCO ₃
ATOMIC OR MOLECULAR WEIGHT	84.01
PROPERTIES	--



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
Loss on drying (on silica gel for 4 hrs.)	Max. 0.25%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.015%
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	0.00005%
Arsenic (As)	0.00004%
Calcium (Ca)	0.005%
Copper (Cu)	0.005%
Iron (Fe)	0.001%
Heavy metls (as Pb)	0.0005%
Magnesium (Mg)	0.005%
Substances reducing iodine	0.0065%
Normal carbonate	Passes test.
Limit of sulphur compounds	0.015%
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) :--

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 02
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO.: 1554

