



GHCL Limited

SPECIFICATION**SODIUM BICARBONATE
FOOD - GRADE**

SPEC NO.: LAB/S41

REVISION NO.: 01

EDITION NO.: 01

PAGE : 01 OF 01

EFFECTIVE DATE: 27/03/2014

APPROVED BY: COO

ISSUED BY : SYSTEM CO-ORDINATOR

1. SCOPE :

The specification prescribes the requirements for Sodium Bicarbonate - Food Grade

2. APPLICATION :

Used in food processing and the manufacturing of soft drinks. Can be used as raising agent, leavening agent for breads,cakes, biscuits, cookies and other confectionery items and is also used in beverages, colorants,effervescent, water treatment etc.

3 PERFORMANCE STANDARD

SR. NO.	CHARACTERISTICS	SPECIFICATION GUARANTEED	U.O.M.	CONFORMANCE STANDARD
1	Description	White, Minutely Crystalline Powder, Free from dirt and other foreign matter		Work Instruction No. LAB/SBC/W01 which is generally in conformance with IS - 2124
2	Total Alkalinity(as NaHCO ₃ Min.	99.6	%by mass	
3	pH (1% Solution) Max.	8.4	-	
4	Chloride (as Cl) Max.	0.04	%by mass	
5	Insoluble Matter Max.	0.05	%by mass	
6	Sulphate (as SO ₄) Max.	0.05	%by mass	
7	Iron (as Fe) Max.	0.0020	%by mass	
8	Heavy Metal (as Pb) Max.	5	ppm	
9	Arsenic (as As) Max.	1.5	ppm	
10	Copper (as Cu) Max.	30	ppm	

NOTE: These characteristics are applicable at the time of packing.

Characteristics from Sr. No. 8 to 10 are analyzed monthly from External Laboratory.