

Manufacture Of Fine and Speciality Chemicals
Works: Plot no. 1116, Lamadapuraroad, Manjusar-391775, Ta- savli, Dis. Vadodara, Gujarat, India

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FINISHED PRODUCT SPECIFICATION

QCD.F.033

Name of Product	: SODIUM CARBONATE (Anhydrous)		
Chemical Formula	: Na ₂ CO ₃	Effective Date	: 30/11/2016
Molecular Weight	: 105.99 g/mol	Retest Date	: After 1 Year
CAS No.	: 497-19-8	Master Copy	: Quality Control
Specification	: Confirmed as IP		
Product Code	: FP024004		
HSN Code	: 28362090		
Department	: Quality Control	Page No.	: 01 of 01
NO.	TEST	SPECIFICATION	
1.	DESCRIPTION	White or almost white, slightly granular powder, hygroscopic	
2.	SOLUBILITY	Freely soluble in water, practically insoluble in ethanol (95%).	
3.	Identification A) By Chemical B) The reaction A of 'Carbonates'. The reaction of 'Sodium salts'	A) The solution is strongly alkaline B) A white precipitate is formed that dissolves on addition of an excess of hydrochloric acid A white precipitate is formed.	
4.	Appearance of solution	The solution is clear and not more intensely coloured than reference solution YS ₆	
5.	Alkali hydroxides and bicarbonates	The solution does not become red after addition of phenolphthalein. Boil the remainder of the filtrate for 2 min. The solution remains clear.	
6.	Heavy metals	Max.0.005%	
7.	Chloride	Max.0.0125%	
8.	Iron	Max.0.005%	
9.	Sulphate	Max.0.025%	
10.	Loss on drying	Not more than 1.0 % w/w at 300°	
11.	Assay (By Titrimetry)	99.5 % w/w to 100.5% w/w of Na ₂ CO ₃ on dried basis.	
Storage	:	Hygroscopic. Keep container tightly closed. Keep container in a cool, well ventilated area.	

PREPARED BY		CHECKED BY		APPROVED BY	
SIGN	DATE	SIGN	DATE	SIGN	DATE