

EM SCIENCE

CERTIFICATE OF ANALYSIS

NAME: Sodium Carbonate, Anhydrous Powder, GR
ITEM NUMBER: SX0395
LOT NUMBER: 35304
FORMULA: Na₂CO₃
FORMULA WT: 105.99
Meets ACS Specifications

Data Order No:00006624

PROPERTY	LIMITS		RESULTS	UNITS
	Min.	Max.		
Ammonium hydroxide precipitate:		0.01	0.002	%
Arsenic (As):		1	1.0	ppm
Assay (dried):	99.5		>99.99	%
Calcium and magnesium precipitate:		0.01	0.002	%
Chloride (Cl):		0.001	0.0005	%
Color:			White	
Form:			Powder	
Heavy metals (as Pb):		5	3.0	ppm
Insoluble matter:		0.01	0.002	%
Iron (Fe):		5	3.0	ppm
Loss on heating at 285°C:		1.0	0.50	%
Nitrogen compounds (as N):		0.001	0.0010	%
Phosphate (PO ₄):		0.001	0.0005	%
Potassium (K):		0.005	<0.0005	%
Silica (SiO ₄):		0.005	0.0050	%
Sulfur compounds (as SO ₄):		0.003	0.0030	%

Charles M. Wilson,
Quality Assurance Manager
Analysis Date: 11/01/95

