

EM SCIENCE

CERTIFICATE OF ANALYSIS

NAME: Sodium Acetate Trihydrate
Crystals, GR
ITEM NUMBER: SX0255
LOT NUMBER: 34102
FORMULA: CH₃COONa·3H₂O
FORMULA WT: 136.08
Meets ACS Specifications

Data Order No:00001771

PROPERTY	LIMITS		RESULTS	UNITS
	Min.	Max.		
Aluminum (Al):		5	<5	ppm
Assay:	99.5	100.5	100.00	%
Calcium (Ca):		0.001	<0.001	%
Calcium, magnesium, and R2O3 precipitate:		0.01	<0.01	%
Chloride (Cl):		3	<5	ppm
Color:			White	
Form:			Crystals	
Heavy metals (as Pb):		5	<5	ppm
Insoluble matter:		0.005	<0.005	%
Iron (Fe):		5	<5	ppm
Magnesium (Mg):		5	<5	ppm
Phosphate (PO ₄):		2	<2	ppm
Potassium (K):		0.005	<0.005	%
Substances reducing permanganate:			Passes test (0.005% max.)	
Sulfate (SO ₄):		0.002	<0.002	%
Total nitrogen (N):		0.001	<0.001	%
pH of a 5% solution at 25°C:	7.5	9.0	8.70	

Charles M. Wilson,
Quality Assurance Manager
Analysis Date: 04/12/94

