



Specification for Sodium Fluoride, Powder, USP, EP, BP (SO167)

Item Number	SO167
Item	Sodium Fluoride, Powder, USP, EP, BP
CAS Number	7681-49-4
Molecular Formula	NaF
Molecular Weight	41.99
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (NaF; DRIED BASIS) (USP)	98.0	102.0 %
CHLORIDE (Cl) (USP)		0.012 %
ACIDITY(0.1N NaOH) (USP)		2.0 mL
ALKALINITY (0.1N H ₂ SO ₄) (USP)		0.5 mL
LOSS ON DRYING (USP)		1.0 %
FLUOSILICATE (USP)		1.5 mL
ASSAY (NaF; DRIED BASIS) (EP/BP)	98.5	100.5 %
ACIDITY NaOH (EP/BP)		1.0 mL
ALKALINITY (0.1N HCl) (EP/BP)		0.25 mL
APPEARANCE OF SOLUTION	SOLUTION IS CLEAR AND COLORLESS	
CHLORIDE (Cl) (EP/BP)		200 ppm
FLUOROSILICATES (EP/BP)		0.75 mL
SULFATE (EP/BP)		200 ppm
LOSS ON DRYING (EP/BP)		0.5 %
ELEMENTAL IMPURITIES:		
LEAD (Pb)	AS REPORTED	
ARSENIC (As)	AS REPORTED	
IDENTIFICATION A (USP ID A)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION B (USP ID B)	POSITIVE FOR SODIUM	
IDENTIFICATION C (EP/BP ID A)	GELATINOUS WHITE PRECIPITATE FORMS / DISSOLVES	

Test	Specification	
	Min	Max
IDENTIFICATION D (EP/BP ID B)	COLOR CHANGES FROM RED TO YELLOW	
IDENTIFICATION E (EP/BP ID C)	POSITIVE FOR SODIUM	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
MONOGRAPH EDITION.		
RESIDUAL SOLVENTS	AS REPORTED	

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