

Item Number	BO120
Item	Boric Acid, Granular, NF, EP, BP, JP
CAS Number	10043-35-3
Molecular Formula	H ₃ BO ₃
Molecular Weight	61.83
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (NF) (DRIED BASIS)	99.5	100.5 %
ASSAY (EP/BP)	99.0	100.5 %
ASSAY (JP) (DRIED BASIS)	99.5%	
pH (EP)	3.8	4.8
LOSS ON DRYING (NF/JP)		0.5 %
SULFATES (EP/BP)		450 ppm
HEAVY METALS (JP)		10 ppm
ARSENIC (JP)		5 ppm
SOLUBILITY IN ALCOHOL (NF)	SAMPLE DISSOLVES COMPLETELEY	
SOLUBILITY IN ETHANOL (EP/BP)	SOLUTION IS NOT MORE OPALESCENT THAN REFERENCE SOLUTION II AND IS COLORLESS	
CLARITY AND COLOR OF SOLUTION (JP)	SOLUTION IS CLEAR AND COLORLESS	
COMPLETENESS OF SOLUTION (NF)	PRODUCES CLEAR SOLUTION	
APPEARANCE OF SOLUTION (EP/BP)	SOLUTION S IS CLEAR AND COLORLESS	
ORGANIC MATTER (EP/BP)	DOES NOT DARKEN TO DULL REDNESS	
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A (NF)	POSITIVE FOR BORATE	
IDENTIFICATION B (EP/BP A)	FLAME HAS A GREEN BORDER	
IDENTIFICATION C (EP/BP B)	SOLUTION S IS ACIDIC	
IDENTIFICATION D (JP)	POSITIVE FOR BORATE	

Test	Specification	
	Min	Max
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
MONOGRAPH EDITION.		
RESIDUAL SOLVENTS	AS REPORTED	

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