

**Specification for Benzoic Acid, Crystal, USP, EP, BP, JP
(BE140)**

Item Number	BE140
Item	Benzoic Acid, Crystal, USP, EP, BP, JP
CAS Number	65-85-0
Molecular Formula	C ₇ H ₆ O ₂
Molecular Weight	122.12
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (ANHYDROUS BASIS) (USP/JP)	99.5	100.5 %
ASSAY (ANHYDROUS BASIS) (EP/BP)	99.0	100.5 %
CONGEALING TEMPERATURE (USP)	121	123°C
MELTING POINT (JP)	121	124°C
WATER DETERMINATION (USP)		0.7 %
READILY CARBONIZABLE SUBSTANCES TEST (USP/JP)	NOT MORE COLORED THAN MATCHING FLUID Q	
CARBONISABLE SUBSTANCES (EP/BP)	NOT MORE COLORED THAN Y?	
READILY OXIDIZABLE SUBSTANCES (USP)		0.50 mL
OXIDISABLE SUBSTANCES (EP/BP)	SOLUTION IS PINK	
RESIDUE ON IGNITION (USP/EP/BP/JP)		0.05 %
APPEARANCE OF SOLUTION (EP/BP)	CLEAR AND COLORLESS	
HALOGENATED COMPOUNDS AND HALIDES (EP/BP)		300 ppm
HEAVY METALS (JP)		20 ppm
CHLORINATED COMPOUNDS (JP)	NOT MORE TURBID THAN CONTROL	
POTASSIUM PERMANGANATE-REDUCING SUBSTANCES (JP)	RED COLOR PERSIST	
PTHALIC ACID (JP)	NOT MORE INTENSE THAN CONTROL	
LOSS ON DRYING (JP)		0.5 %
ELEMENTAL IMPURITIES	AS REPORTED	

Test	Specification	
	Min	Max
IDENTIFICATION A (USP A1)	SALMON COLORED PRECIPITATE IS FORMED	
IDENTIFICATION B (USP A2)	WHITE PRECIPITATE FORMS, SOLUBLE IN ETHER	
IDENTIFICATION C (EP/BP A)	121	124°C
IDENTIFICATION D (EP/BP B)	POSITIVE FOR BENZOATE	
IDENTIFICATION E (JP)	POSITIVE FOR BENZOATE	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
MONOGRAPH EDITION.		
RESIDUAL SOLVENTS	AS REPORTED	

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