

Item Number	IS115
Item	Isopropyl Alcohol, 99 Percent, USP, JP
CAS Number	67-63-0
Molecular Formula	C ₃ H ₈ O
Molecular Weight	60.10
MDL Number	
Synonyms	Isopropanol ; 2-Propanol ; Propan-2-ol ; Dimethyl Carbinol ; IPA

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (USP)	99.0%	
SPECIFIC GRAVITY (USP)	0.783	0.787
SPECIFIC GRAVITY (JP)	0.785	0.788
REFRACTIVE INDEX (USP)	1.376	1.378
DISTILLING RANGE (JP)	81°	83°C
LIMIT OF VOLATILE IMPURITIES (USP):		
METHANOL		0.02 %
EACH OTHER INDIVIDUAL KNOWN IMPURITY		0.1 %
EACH INDIVIDUAL UNSPECIFIED IMPURITY		0.1 %
TOTAL IMPURITIES		1.0 %
LIMIT OF NONVOLATILE IMPURITIES (USP)		0.005 %
ACIDITY (USP)		0.70 mL
ACIDITY (JP)	RED COLOR DEVELOPS	
RESIDUE ON EVAPORATION (JP)		1.0 mg
CLARITY OF SOLUTION (JP)	SOLUTION IS CLEAR	
WATER (USP)		0.5 %
WATER (JP)		0.75 w/v%
ULTRAVIOLET ABSORPTION (USP):		
230 nm		0.30
250 nm		0.10
270 nm		0.03
290 nm		0.02
310 nm		0.01

Test	Specification	
	Min	Max
CURVE	THE SPECTRUM SHOWS A STEADILY DESCENDING CURVE WITH NO OBSERVABLE PEAKS OR SHOULDERS	
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A (USP A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION B (USP B)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION C (USP C)		0.02 %
IDENTIFICATION D (JP 1)	YELLOW PRECIPITATE IS FORMED	
IDENTIFICATION E (JP 2)	GAS TURNS FILTER PAPER RED-BROWN	
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS	AS REPORTED	

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