



Specification for Choline Chloride, USP Dietary Supplement (C2058)

Item Number	C2058
Item	Choline Chloride, USP Dietary Supplement
CAS Number	67-48-1
Molecular Formula	C ₅ H ₁₄ ClNO
Molecular Weight	139.62
MDL Number	
Synonyms	(2-Hydroxyethyl)trimethylammonium Chloride

Test	Specification	
	Min	Max
APPEARANCE		
CONTENT OF CHOLINE CHLORIDE (ANYDROUS BASIS)	97.0	100.5 %
CONTENT OF CHOLINE (ANHYDROUS BASIS) (USP)	72.2	74.7 %
CONTENT OF CHLORIDE (ANHYDROUS BASIS) (USP)	24.8	25.8 %
pH OF A 1 IN 10 SOLUTION	4.0	7.0
ARSENIC		2 ppm
LEAD		0.3 ppm
WATER DETERMINATION		0.5 %
RESIDUE ON IGNITION		0.05 %
LIMIT OF TOTAL AMINES		10 ?g/g
LIMIT OF 1,4-DIOXANE (USP)		10 µg/g
RELATED COMPOUNDS:		
CHOLINE RELATED COMPOUND A		0.1 %
ANY UNSPECIFIED IMPURITY		0.1 %
TOTAL IMPURITIES		0.5 %
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION (A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	POSITIVE FOR CHLORIDE	
IDENTIFICATION (C)	RETENTION TIME CORRESPONDS TO STANDARD	
CERTIFIED KOSHER		
EXPIRATION DATE		
DATE OF MANUFACTURE		

Test	Specification	
	Min	Max
MONOGRAPH EDITION		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

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