



## Specification for Manganese Chloride, Tetrahydrate, USP (M1106)

Item Number	M1106
Item	Manganese Chloride, Tetrahydrate, USP
CAS Number	13446-34-9
Molecular Formula	MnCl <sub>2</sub> •4H <sub>2</sub> O
Molecular Weight	197.91
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (DRIED BASIS)	98.0	101.0 %
pH OF A 1 IN 20 SOLUTION	3.5	6.0
LOSS ON DRYING	36.0	38.5 %
INSOLUBLE MATTER		0.005 %
SULFATE		0.005 %
SUBS. NOT Pptd. by AMMONIUM SULFIDE(as SO )		0.2 %
ELEMENTAL IMPURITIES		AS REPORTED
IRON (Fe)		5 ppm
ZINC (Zn)	NO TURBIDITY	
IDENTIFICATION (A)	WHITE PRECIPITATE FORMS	
IDENTIFICATION (B)	POSITIVE FOR MANGANESE	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS	AS REPORTED	
MONOGRAPH EDITION		

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