



## Specification for Manganese Chloride, Tetrahydrate, FCC (M1109)

Item Number	M1109
Item	Manganese Chloride, Tetrahydrate, FCC
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
ASSAY (MnCl <sub>2</sub> •4H <sub>2</sub> O)	98.0	102.0 %
pH OF A 5% SOLUTION	4.0	6.0
INSOLUBLE MATTER		0.005 %
IRON		5 mg/kg
LEAD (Pb)		4 mg/kg
SUBSTANCES NOT Pptd.by SULFIDE(AFTER IGNITION)		0.2 %
SULFATE		0.005 %
IDENTIFICATION		TO PASS TEST
CERTIFIED KOSHER		
CERTIFIED HALAL		
APPEARANCE		
EXPIRATION DATE		
DATE OF MANUFACTURE		

### *Spectrum Chemical Mfg Corp*

<b>Corporate Headquarters:</b>	<b>West Coast Facility:</b>
769 Jersey Ave.	14422 S. San Pedro St.
New Brunswick, NJ 08901	Gardena, CA 90248
732.214.1300	310.516.8000