



Specification Magnesium Sulphate Heptahydrate USP

The following specification is the latest revision (as at 01 Jul 2021) and supersedes all previous specifications for this product code.

Specification Details					
Product Code	MASULP9610	CAS Number	10034-99-8	Shelf Life	730 Day
Product	Magnesium Sulphate Heptahydrate USP				
Pack Size	25 kg net Bags				
Customer Name	Alpha Chemicals Pty Ltd				
Revision	5 (on 16/09/2020)	Std. Compliance	USP38		
Authorised By	Damien Barrett Quality Assurance Manager	Notes	Amended MgSO4.		

Specifications				
Description	Unit	Typical	Guaranteed	Method
Appearance: white crystals			Conforms	
Identification			Passes Test	USP
Assay, MgSO4.7H2O	%		99.0 - 100.5	
MgSO4	%		Min 48.5	
pH, 5% w/v solution			5.0 - 9.2	
Loss on ignition	%		40.0 - 52.0	
Loss on drying, 2 hrs @ 105 deg C	%		Max 2.0	
Chloride, Cl	%		Max 0.014	
Iron, Fe, for nonparenteral use	%		Max 0.001	
Arsenic, As	%		Max 0.0002	
Heavy metals as Pb	%		Max 0.001	
Selenium	%		Max 0.003	
Nickel	ppm		Max 1	
Organic Volatile Impurities			Passes Test	USP
Particle size		between 0.2 - 3.0mm		
Conforms to USP38			Conforms	

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