



Product Specification

cdhfinechemical.com

MAGNESIUM OXIDE LIGHT MEETS TO IP TESTING SPECIFICATIONS

PRODUCT CODE		P44100	
SYNONYMS		--	
C.I. NO.		--	
CASR NO.		1309-48-4	
ATOMIC OR MOLECULAR FORMULA		MgO	
ATOMIC OR MOLECULAR WEIGHT		40.30	
PROPERTIES		Soluble in ammonium hydroxide, nitric acid, sulfuric acid, hot water; insoluble in alcohol.	
PARAMETER		LIMIT	
Description		A white crystalline powder.	
Solubility		Soluble in dilute acids.	
Identification		-	
Identification 'A'		Bulk density - Not more than 0.15 g per ml	
Identification 'B'		Solution should give reaction (A) of magnesium salts	
Assay (Complexometric, On ignited sub.)		98.0 – 100.5%	
MAXIMUM LIMIT OF IMPURITIES			
Loss on ignition (at 900°C)		8.0%	
Arsenic (As)		4 ppm	
Chloride (Cl)		0.125%	
Iron		0.1%	
Sulphate (SO ₄)		1.0%	
Calcium (Ca)		1.5%	
Soluble substance		2.0%	
Substance insoluble in acetic acid		0.1%	
Note(s): Assay (if applicable) method mentioned.			
WARNING		IMDG Code : --	
Hazard statements: Not hazardous. No hazards.		UN No. : --	
Precautionary statements		IATA : --	
Prevention: -----			
Response: -----			
Disposal:-----			
Hazard Pictogram(s) :-----			