



Product Specification

cdhfinechemical.com

MAGNESIUM OXIDE HEAVY

PRODUCT CODE	029108	MgO
SYNONYMS	--	
C.I. NO.	--	
CASR NO.	1309-48-4	
ATOMIC OR MOLECULAR FORMULA	MgO	
ATOMIC OR MOLECULAR WEIGHT	40.30	
PROPERTIES	Takes up CO ₂ and H ₂ O from air. Very slightly soluble in water. Insoluble in alcohol.	
PARAMETER	LIMIT	
Description	White amorphous powder.	
Solubility	Soluble in dilute acids.	
Identification	Passes test	
Minimum assay (by complexometry, on ignited substance)	98.0-100.5%	
Filling volume (untapped apparent volume of freshly sieved material through 10 or 20 mesh sieve)	30 ml/15 gm	
MAXIMUM LIMITS OF IMPURITIES		
Colour of solution	Passes test	
Substance Insoluble in acetic acid	0.1%	
Substance soluble in water	2%	
Chloride (Cl)	0.15%	
Sulphate (SO ₄)	1%	
Heavy metals (as Pb)	0.003%	
Calcium (Ca)	1.5%	
Iron (Fe)	0.07%	
Arsenic (As)	0.0004%	
Loss on Ignition (at 800 °C)	8%	
Note(s) : Assay (if applicable) method mentioned.		
WARNING	IMDG Code : -- UN No. : -- IATA : --	
Hazard statements: Not hazardous. No hazards.		
Precautionary statements		
Prevention: -----		
Response: -----		
Disposal:-----.		
Hazard Pictogram(s) :-----		

Replace date 27-Oct-2025