



Product Specification

cdhfinechemical.com

MAGNESIUM OXIDE LIGHT MEETS BP, Ph. Eur. USP

PRODUCT CODE	029109
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.

MgO

PARAMETER	LIMIT
Description	White amorphous powder.
Solubility	Soluble in dilute acid.
Identification (A,B,C test)	Passes tests.
Assay (Complexometric, On ignited sub.)	98.0 – 100.5%
Filling volume (untapped apparent volume of freshly sieved material through 10 or 20 mesh sieve)	Min. 100 ml/15gm

MAXIMUM LIMIT OF IMPURITIES	
Loss on ignition (at 900°C)	8.0%
Substances insoluble in acetic acid	0.1%
Substances insoluble in hydrochloric acid	0.1%
Free alkali & water soluble subs.	2.0%
Chloride (Cl)	0.15%
Sulphate & Sulphite (as SO ₄)	0.5%
Arsenic (As)	0.0004%
Calcium (Ca)	1.0%
Iron (Fe)	0.05%
Heavy metals(as Pb)	0.002%

Note(s) : 1] Assay (if applicable) method mentioned.

WARNING Hazard statements : Not Hazardous. No hazarda. Precautionary statements Prevention : ---- Response : -----	IMDG Code : UN No. : IATA : :
Disposal: - Dissolve the chemical in dilute acid and neutralize the excess acid with sodium carbonate and run to the normal waste with large amount of water .Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste. Alternatively the neutralized solution can be put in a container and disposed off.	

Hazard Pictogram(s) :