



# Product Specification

cdhfinechemical.com

## MAGNESIUM OXIDE LIGHT MEETS BP, Ph. Eur. USP

<b>PRODUCT CODE</b>	<b>029109</b>
<b>SYNONYMS</b>	--
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(1309-48-4)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>MgO</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>40.30</b>
<b>PROPERTIES</b>	Takes up CO <sub>2</sub> and H <sub>2</sub> O from air. Very slightly soluble in water. Insoluble in alcohol.

### MgO

<b>PARAMETER</b>	<b>LIMIT</b>
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 <sub>4</sub> )	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.**

<b>WARNING</b> <b>Hazard statements :</b> Not Hazardous. No hazards. <b>Precautionary statements</b> <b>Prevention : ----</b> <b>Response : -----</b> <b>Disposal:</b> - 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.	IMDG Code : UN No. : IATA :
--	-----------------------------------

Hazard Pictogram(s) :