

## MAGNESIUM OXIDE LIGHT AR/ACS

<b>PRODUCT CODE</b>	<b>568255</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>MgO</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>40.30</b>	
<b>PROPERTIES</b>	<b>Soluble in ammonium hydroxide, nitric acid, sulfuric acid, hot water; insoluble in alcohol.</b>	
<b>PARAMETER</b>	<b>LIMIT</b>	
Description	A white crystalline powder.	
Solubility	Soluble in dilute acids.	
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/15 gm	
<b>MAXIMUM LIMIT OF IMPURITIES</b>		
Acid –insoluble matter	0.005%	
Water-soluble matter	0.4%	
Carbonate (as CO <sub>2</sub> )	1.5%	
Chloride (Cl)	0.01%	
Total nitrogen (N)	0.002%	
Sulphate (SO <sub>4</sub> )	0.001%	
Arsenic (As)	0.0001%	
Barium and strontium (as Ba)	0.005%	
Calcium (Ca)	0.02%	
Copper (Cu)	0.001%	
Iron (Fe)	0.005%	
Lead (Pb)	0.001%	
Manganese (Mn)	0.0005%	
Potassium (K)	0.005%	
Sodium (Na)	0.2%	
Zinc (Zn)	0.0005%	
Loss on ignition (at 900°C)	8.0%	
<b>Note(s): Assay (if applicable) method mentioned.</b>		



# Product Specification

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<b>WARNING</b> <b>Hazard statements:</b> Not hazardous. No hazards. <b>Precautionary statements</b> <b>Prevention:</b> ----- <b>Response:</b> -----	IMDG Code : -- UN No. : -- IATA : --
<b>Disposal:</b> -----	
<b>Hazard Pictogram(s) :</b> -----	

Replace Date 16/08/2024