

MAGNESIUM OXIDE LIGHT AR

PRODUCT CODE	568255
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.
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
MAXIMUM LIMIT OF IMPURITIES	
Acid –insoluble matter	0.005%
Water-soluble matter	0.4%
Carbonate (as CO ₂)	1.5%
Chloride (Cl)	0.01%
Total nitrogen (N)	0.002%
Sulphate (SO ₄)	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%
Note(s): Assay (if applicable) method mentioned.	



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WARNING Hazard statements: Not hazardous. No hazards. Precautionary statements Prevention: ----- Response: ----- Disposal: ----- Hazard Pictogram(s) :- -----	MDG Code : -- UN No. : -- IATA : --
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Replace Date 14-July-2025