

**PRODUCT CODE: 141840****Magnesium Hydroxide (BP, Ph. Eur.) pure, pharma grade**

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$\text{H}_2\text{MgO}_2$   
 $\text{Mg}(\text{OH})_2$

M.= 58,33

CAS [1309-42-8]

EINECS 215-170-3

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**SYNONYMS:** Magnesium Hydrate

**PHYSICAL DATA:** amorphous powder, White, Insoluble in water.Soluble in diluted acids. Hygroscopic • D 2,36 •  
M.P.: 350 °C •

**BIBLIOGRAPHY:** Merck Index **12**, 5.706 13, 5.693 Römp **8** , **2454** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0**  
(2017) • F.C.C **IV**232 • Royal Decree **I**1091 • Directive 2000/63/EC •

**HAZARDOUS:** RTECS: OM 3570000 • LD50 oral rat 8.500 mg/kg •



H: H319 • H335 • H315 •

P: P261 • P264 • P271 • P280 • P302+P352 • P501 • P304+P340 • P305+P351+P338 • P312 • P321 • P332+P313  
• P337+P313 • P362 • P403+P233 • P405 •**SPECIFICATIONS:**

Assay (Compl.)	95,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test

**Maximum limit of impurities**

Appearance of solution	passes test
Insoluble matter in $\text{CH}_3\text{COOH}$	0,1 %

Soluble matter in H <sub>2</sub> O	2,0 %
Loss on ignition 900°C	30,0-32,5 %
Loss on drying at 105°C	2,0 %
Chloride (Cl)	0,1%
Sulfate (SO <sub>4</sub> )	0,5%
Residual solvents (Ph.Eur.)	passes test
CaO	1,0 %
Alkalis and soluble salts	2,0 %
Heavy metals (as Pb)	0,003%
As	0,0004 %
Ca	0,7 %
Fe	0,07 %

**Elemental impurities according to ICH Q3D guide: No metal catalysts are used in the manufacturing process.**

**Class 1-3 elements are not likely to be present above the limits of ICH Q3D option 1.**