



PRODUCT CODE: 141276

Magnesium Oxide light (BP, Ph. Eur.) pure, pharma grade

MgO

MgO

M.= 40,30

CAS [1309-48-4]

EINECS 215-171-9

TARIC 2519 90 10 90

PHYSICAL DATA: powder, White, Soluble in water 0,08 g/l at 20 °C D 20/4 3,58 • M.P.: 2.800 °C • B.P.: 3.600 °C • pH10 •

BIBLIOGRAPHY: Merck Index **12**, 5.713 13, 5.700 Sax **MAH500** • Römp **8**, **2456** • Fieser **1633 2256 7221** • ACS **XI** • ISO 6353/2-1983 R - 17 , 23 • BP.**2025** • USP **43** • Ph. Eur. **10.0** (2019) 5.6 , 4629 **11.0** (2023) 5.6 , 4629 • F.C.C **12 13** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: OM 3850000 • TC L0 man 400mg/m3 • VLA-ED 10 mg/m3

SPECIFICATIONS:

Assay (Compl.) calc. a.i.s.	98,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in CH ₃ COOH	0,1 %
Soluble matter in H ₂ O	2,0 %
Loss on ignition 900°C	8,0 %
Chloride (Cl)	0,15%
Sulfate (SO ₄)	1,0%
Residual solvents (Ph.Eur.)	passes test
Heavy metals (as Pb)	0,003%

Ca	1,5 %
Fe	0,1 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	5 ppm
Pb	100 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	100 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Tl	100 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	30 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm