



CERTIFICATE OF ANALYSIS

Product Name	PHARMAGNESIA® MO G Gran (Magnesium Oxide, heavy, granular, EP, E530, USP)
Batch Number	2412-424
Production Date	11.10.2024
Expiry Date	11.10.2026

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Content MgO (ignited basis)	98.00 – 100.50 %	99.50 %
Identity	Complies	Complies
Appearance of solution	Complies	Complies
Free alkali (as 0.1 N H ₂ SO ₄)	≤ 2.00 ml	2.00 ml
Soluble salts / substances	≤ 2.00 %	0.52 %
Acid-insoluble substances	≤ 0.100 %	0.026 %
Chloride	≤ 0.100 %	0.052 %
Sulphate (SO ₄)	≤ 1.00 %	0.10 %
Calcium (Ca)	≤ 1.10 %	0.06 %
Calcium oxide (CaO)	≤ 1.50 %	0.08 %
Loss on ignition	≤ 5.00 %	4.30 %
Bulk density	850 – 1050 g/l	960.00 g/l

Heavy Metals

Analysis Item	Specification	Result
Iron (Fe)	≤ 0.0500 %	0.0041 %
Arsenic (As)	≤ 3.0 ppm	1.5 ppm
Lead (Pb)	≤ 2.0 ppm	0.2 ppm

Particle Size Distribution

Particle Size Range	Specification	Result
> 0.600 mm	8.00 – 20.00 %	10.40 %
< 0.600 – > 0.250 mm	60.00 – 80.00 %	71.80 %
< 0.250 – > 0.150 mm	5.00 – 25.00 %	13.60 %
< 0.150 mm	1.00 – 8.00 %	4.20 %

Data mentioned above are the results of the quality control. It should not release you from the duty of testing the product for your own intentional use or task and does not have the meaning to assure the product's suitability for a special application. Lehmann&Voss&Co. KG

Base Bulk