

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Magnesium Hydroxide, USP
INCI Name: Magnesium Hydroxide
CAS Number: 1309-42-8
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 48 months from production date

Assay/Method	Specifications		Result
	Min.	Max.	
Mag. Hydroxide as Mg (OH) ₂	95.0	100.5%	98.6
Identification		Pos for Mag	Passed Test
Microbial Limit	n/a	Absent of E. Coli	absent
Loss on Drying (105C)	n/a	2.00%	0.06
Loss on Ignition (800C)	30.0	33.0%	30.3
Free Alkali (as 0.1N H ₂ SO ₄)	n/a	2.0	<2.0
Soluble Salts	n/a	2.00%	0.56
Carbonate (USP test method)	n/a	To Pass Test	Passed Test
Calcium as Ca	n/a	0.30%	0.05
Heavy Metals as Pb	n/a	20 ppm	<20
Lead as Pb	n/a	0.3 ppm	<0.3
Arsenic as As	n/a	4 ppm	<4
Substances Insoluble in Hac	n/a	0.100%	0.032
Chlorides as Cl	n/a	1000 ppm	282
Sulphates as SO ₄	n/a	0.50%	0.08%
Iron as Fe	n/a	700ppm	23
Bulk Density (untapped)	0.25	0.55 g/cc	0.33
Tapped Density (1000 taps)	0.40	0.60 g/cc	0.46
Residue on 325 mesh	n/a	5.0%	1.8

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

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