

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Magnesium hydroxide		
<b>Reference Standard</b>	USP38		
<b>Quantity</b>	200kg		
<b>Batch Number</b>	20220312	<b>Manufacture Date</b>	20220312
<b>Report Date</b>	20220312	<b>Expiry Date</b>	20240311

Item of Analysis	Specification	Results
Appearance	White powder	pass
Identification	Characteristic magnesium salt and carbonate reaction	pass
Content (%) calculated as	95-100.5	98.86
Soluble Salts (%)	≤ 0.5	0.026
Calcium (%)	≤ 1.5	0.0035
Lead (ppm)	≤ 1.5	1
Heavy Metals (ppm)	≤ 20	10
Bulk Density (g/mL)	≥ 0.40	1.05
Loss on ignition (%)	30-33	31.60
Loss on drying(%)	≤ 2	0.32
Carbonate	/	/

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

