

## 检测报告 CERTIFICATE OF ANALYSIS

产品名称 Product Name:	重质氧化镁 Magnesium Oxide, Heavy		
CAS No.:	1309-48-4	参考标准 Ref. Standard:	USP43
批号 Batch No.:	20251204	生产日期 Manu Date:	Dec. 04, 2025
数量 Quantity:	500kg	有效期至 Expiration Date:	Dec. 03, 2027
储存条件 Storage Condition:	保存在密闭, 耐光容器中, 室温干燥处。 Preserve in tight, light resistant container at controlled room temperature dry place.		

项目 ITEM	标准 SPECIFICATION	结果 RESULT
含量 Assay	灼烧至质量恒定后, 根据无水物质计算, MgO 的重量应为 96.0%-100.5% After burning on ignition to be constant, calculated on the Anhydrous substance, weight of MgO should be 96.0%-100.5%	99.56%
外观 Appearance	白色至类白色粉末 White or almost white fine powder	白色粉末 White powder
鉴别 Identification	应满足镁盐的反应 It should give the reaction of magnesium.	符合 Conforms
<b>理化指标 Physical &amp; Chemical Characteristics</b>		
游离碱 Free Alkali	耗酸不得过 2.0ml. NMT2.0ml of the acid is consumed.	符合 Conforms
可溶性盐 Soluble Salts	≤2.0%	符合 Conforms
炽灼残渣 Loss on ignition	≤8.0%	1.59%
酸中不溶物 Acid-Insoluble Substances	≤0.10%	0.01%
钙 Calcium	≤1.10%	符合 Conforms
铁 Iron(Fe)	≤0.05%	符合 Conforms
堆积密度 Bulk Density	≥0.25g/ml	0.71g/ml
<b>重金属 Heavy Metals</b>		
砷 Arsenic(As)	≤4.0ppm	符合 Conforms
<b>微生物指标 Microbiological Tests</b>		
菌落总数 Total plate Count	≤1000cfu/g	符合 Conforms
酵母&霉菌 Yeast & Mold	≤100cfu/g	符合 Conforms
大肠杆菌 E.Coli.	阴性 Negative/10g	阴性 Negative
结论 Conclusion:	符合 USP43 标准 Conforms to USP43 Standard	

Tested by: Tiantian Wang

Checked by: Hong Chen

Approved by: Yulian Liu

