

CERTIFICATE OF ANALYSIS

Product Name	Magnesium Oxide Heavy.
Grade	MgO produced Synthetically

General Characteristics			
Description	A white powder.		
Solubility	Practically insoluble in water and ethanol 95%. It dissolves in dilute acids with at most slight effervescence		
Chemical Analysis			
Test	Unit	Limit	
		Min.	Result
Identification	--	Gives the reaction of Magnesium	
Calcium as CaO	%	NMT 0.05	0.02
Iron as Fe ₂ O ₃	%	NMT 0.05	0.002
Soluble Subs.	%	NMT 2	1.94
Subs. Insoluble in acid	%	NMT 0.1	0.01
Heavy Metal	ppm	NMT 30	20
Arsenic	ppm	NMT 4	3.0
Chloride	%	NMT 0.25	0.1
Sulphate	%	NMT 1.0	0.1
Loss on ignition	%	NMT 8	4.11
Assay (calculated on the ignited basis)	%	Magnesium Oxide Heavy contains not less than 98.0% and not more than 100.5% of MgO.	99.25
Bulk density	g/ml	0.70 – 0.80 g/ml	
Sieve Analysis	%	Min. 98% passing through #325 Mesh	