

CERTIFICATE OF ANALYSIS
CAS# 1309-48-04

Product: Magnesium Oxide (Natural)

Identification: Pakmag-97 HR

We have inspected the quality of the above-mentioned goods and found the result of inspection as follows:

Sr. No.	Compositions/ Parameters	As Formula	Result	Unit	Remarks
1	Natural MgO (Ignited Basis)	MgO	97.00	%	
2	Calcium Oxide	CaO	2.80	%	
3	Silica	SiO ₂	0.10	%	
4	Iron Oxide	Fe ₂ O ₃	0.02	%	
5	Alumina	Al ₂ O ₃	0.03	%	
6	Arsenic	As	< 0.20	mg/kg	
7	Lead	Pb	< 1.00	mg/kg	
8	Cadmium	Cd	< 0.10	mg/kg	
9	Mercury	Hg	< 0.05	mg/kg	
10	Fluoride	F	72.40	mg/kg	
11	Loss on Ignition	LOI	2.75	%	
12	Reactivity (Second)		25	Seconds	
*	Appearance & Physical Characteristics	White Powder, Odorless, Tasteless and Non-toxic.			
*	Solubility Status	Practically insoluble in water, Soluble in acid or ammonium salt solution.			
*	Particle Size	200 mesh (75 Microns) Mesh passing 97 % 325 mesh (45 Microns) Mesh passing 98 % Granular size: 0 – 6 mm			