



SPECIFICATIONS
GRADE: JP

PRODUCTS NAME		:	MAGNESIUM OXIDE JP
CAS NO.		:	1309-48-4
Sr. No.	TEST PARAMETER	SPECIFICATION	
1.	Appearance	white powder or granules	
2.	Solubility	It is practically insoluble in water, in ethanol (95) and in diethyl ether. It dissolves in dilute hydrochloric acid. It absorbs moisture and carbon dioxide in air.	
3.	Identification Solution of Magnesium Oxide in dilute hydrochloric acid (1 in 50) responds to the Qualitative Tests for magnesium salt.	To Pass Test	
4.	Alkali and soluble salts	The mass of the residue is not more than 10 mg.	
5.	Carbonate	Almost no effervescence occurs.	
6.	Heavy metals	NMT 40 ppm	
7.	Iron	Max. 500 ppm	
8.	Calcium oxide	NMT 1.5 %	
9.	Arsenic	NMT 10 ppm	
10.	Acid-insoluble substances	The mass of the ignited residue does not more than 2.0 mg.	
11.	Fluoride	NMT 0.08 %	
12.	Loss on Ignition	NMT 10.0 %	
13.	Assay (Ignited Basis)	NLT 96.0 %	