



H.P. ORE PROCESSORS PVT. LTD.

ISO 9001:2008

CERTIFICATE OF ANALYSIS

DATE :- 28/03/2016
CERTIFICATE NO :- 729/2015-2016
NAME OF SAMPLE :- MANGANESE OXIDE POWDER(MnO)
LOT NO. :- HPO/FG/444-HPO/FG/450
DATE OF MFG :- 24/03/2016
DATE OF EXPIRY :- 23/03/2019
SAMPLE QTY :- 1KG
PRODUCT QTY :- 50MT
PACKING :- POLY PACK(EACH 25KG)

S.No.	TEST NAME	UNIT	RESULT	SPECIFICATION	METHOD OF TEST
1	Description	Not Applicable	Dark brown coloured		Analar standard of laboratory chemical in house
2	Bulk Density	GM/CM3	5.4		Analar standard of laboratory chemical
3	Manganese as Mn	%	60.89		ByPotentiometric titration - Volhards
4	Manganese Oxide	%	78.54		ByPotentiometric titration - Volhards
5	Iron as Fe	%	4.23		IS-1473-2004
6	Silica as SiO2	%	3.15		IS-1473-2004
7	Alumina as Al2O3	%	4.09		IS-1473-2004
8	Manganese Di Oxide(MnO2)	%	1.65		IS-1473-2004
9	Magnesium as Mg	PPM	150		By Atomic Absrption Spectrometer
10	Arsenic as As	PPM	1.5		By Atomic Absrption Spectrometer
11	Lead as Pb	PPM	5		By Atomic Absrption Spectrometer
12	Cadmium	PPM	0.5		By Atomic Absrption Spectrometer
13	Mercury	PPM	0.04		By Atomic Absrption Spectrometer
14	Dioxine	Not Applicable	0.45max Mg WHO-TEO/KG		By Atomic Absrption Spectrometer
15	SIEVE ANALYSIS BSS 300 MESH	%	90	PASSING	Analar standard of laboratory chemical

SAMPLE DRAW BY

MR.SONU MESHARAM

TESTED BY

MISS MANJUSA

MANAGER (QC)

MR.NEELCHAND YADAV

SR.GM(PLANT)

MR.MANOJ BORKER