

Laboratory **B. S. S. Lab., 1338, First Floor, Vijay Nagar, Kachnar City Road, Jabalpur, Madhya Pradesh**

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **21.07.2015**

Certificate Number **T-3522** **Valid Until** **20.07.2017**

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. ORES AND MINERALS				
1.	Dolomite/ Limestone	Moisture	IS 1760 (Part 1): 1991 (RA 2001)	0.25 % to 15.00 %
		Loss of Ignition	IS 1760 (Part 1) : 1991 (RA 2001)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-26	5.00 % to 50.00 %
		Silica as SiO ₂	IS 1760 (Part 2): 1991 (RA 2001)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-47-48	0.50 % to 25.00 %
		Calcium as CaO	IS 1760 (Part 3): 1991 (RA 2001)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No.47-48 &-5	0.50 % to 60.00 %
		Magnesium as MgO	IS 1760 (Part 3): 1991 (RA 2001)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-48 & 6-7	0.25 % to 52.00 %

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	Dolomite/ Limestone	Aluminium as Al ₂ O ₃	IS 1760 (Part 3): 1991 (RA 2001)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-47-48 & 8	0.02 % to 15.00 %
		Iron as Fe ₂ O ₃	IS 1760 (Part 3): 1991 (RA 2001)/I IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-47-48 & -5	0.02 % to 10.00 %
2.	Iron Ore as Fe	Moisture	IS 1493(Part 1) (RA 2001)	0.50 % to 10.50 %
		Loss of Ignition	IS 1493 (RA 2001)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-26	1.00 % to 13.50 %
		Silica as SiO ₂	IS 1493 (Part 1) (RA 2001) / IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-46-47	0.50 % to 40.00 %
		Iron as Fe	IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-46-47 & -5	10.50 % to 65.00 %

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	Iron Ore as Fe	Aluminium as Al ₂ O ₃	IS 1493 (Part 1) (RA 2001) / IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-46-47& 8 -9	1.50 % to 20.00 %
		Manganese as Mn	IS 1493 (RA 2001)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-47-48 &-9	0.01 % to 10.00 %
		Titanium as TiO ₂	IS 1493(Part 5) (RA 2001) /I IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-102	0.05 % to 10.00 %
3.	Manganese Ore	Moisture	IS 1473: 2004	0.50 % to 15.00 %
		Loss of Ignition	IS 1473: 2004/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-26	0.25 % to 40.00 %
		Silica as SiO ₂	IS 1473: 2004/I IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-48-49	0.10 % to 25.00 %

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	Manganese Ore	Manganese as Mn/MnO ₂	IS 1473: 2004/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-48-49&9	0.10 % to 60.00 %
		Aluminium as Al ₂ O ₃	IS 1473: 2004/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-48-49 & 8	0.10 % to 10.00 %
		Iron as Fe ₂ O ₃	IS 1473: 2004/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-48-49&5	0.05 % to 2.50 %
		Titanium as TiO ₂	IS 1473: 2004/I IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-102	0.50 % to 10.50 %
4.	Bauxite/ Laterite	Moisture	IS 2000 (Part 1): 1985 (RA 2006)	0.25 % to 15.00 %
		Loss of Ignition	IS 2000 (Part 1): 1985 (RA 2006)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-26	5.00 % to 40.00 %

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	Bauxite/ Laterite	Silica as SiO ₂	IS 2000 (Part 2): 1985 (RA 2006)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-23	0.50 % to 10.00 %
		Aluminum as Al ₂ O ₃	IS 2000 (Part 3): 1985 (RA 2006)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-22-23 & 8	5.00 % to 65.00 %
		Iron as Fe ₂ O ₃	IS 2000 (Part 4): 1985 (RA 2006)/ IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-22-23&5	5.25 % to 35.00 %
		Titanium as TiO ₂	IS 2000 (Part 5): 1985 (RA 2006)/ I IBM Manual of Procedure for Chemical and Instrumental Analysis Edition Revised Edition ,2012 Page No-102	0.50 % to 12.00 %

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