

43GROPC

Doc.No.:WD/LAB/FM/07



Name & Address of the Consignee :

VARIOUS PARTIES
INCLUDING ACC DUMPS

DATE 04.12.2014 <u>DESPATCH PARTICULARS</u>:-WEEK NO- 47

19.11.2014 to 25.11.2014

			19.11.2014 to 25.11.2014
			Requirements as per
	Results		IS: 8112 : 2013
	5.2		
	4.1		
% Lime	62.1		
% Magnesia	0.7		Not more than 6.0%
% Insoluble Residue	0.5		Not more than 5.0%
% Sulphur Calculated	2.6		Not more than 3.5%
as SO3			
% Loss On Ignition	1.7		Not more than 5.0 %
LIME SATURATION FACTOR	0.85		Between 0.66 & 1.02
			Not less than 0.66
			Not more than 0.1%
Specific Surface (m2/kg)	296		Not less than 225
COMPRESSIVE STRENGTH (MPa):			
at 3-Days	33.0		Not less than 23
7-Days	43.3		Not less than 33
28-Days (W no-44)	53.8		Not less than 43 and
SETTING TIME (minutes) :			not more than 58
· · ·	120		Not less than 30
	_		Not more than 600
	100		THOU HIGHE HIGH OUU
SOUNDNESS:			
Le-Chatelier Expn. (mm)	1.0		Not more than 10 mm
Autoclave Expn. (%)	0.06		Not more than 0.8 %
a) Normal Consistency (%)	27.5		
, , ,	27+/-2		
	,		
	% Insoluble Residue % Sulphur Calculated as SO3 % Loss On Ignition LIME SATURATION FACTOR PROPORTION OF ALUMINA TO IRON OXIDE TRI CALCIUM ALUMINATE % Chloride FINENESS: Specific Surface (m2/kg) COMPRESSIVE STRENGTH (MPa): at 3-Days 7-Days 28-Days (W no-44) SETTING TIME (minutes): Initial Final SOUNDNESS: Le-Chatelier Expn. (mm) Autoclave Expn. (%) a) Normal Consistency (%)	% Soluble Silica 22.1 % Alumina 5.2 % Iron Oxide 4.1 % Lime 62.1 % Magnesia 0.7 % Insoluble Residue 0.5 % Sulphur Calculated 2.6 as SO3 1.7 LIME SATURATION FACTOR 0.85 PROPORTION OF ALUMINA TO IRON OXIDE 1.27 TRI CALCIUM ALUMINATE 6.84 % Chloride 0.031 FINENESS: Specific Surface (m2/kg) Specific Surface (m2/kg) 296 COMPRESSIVE STRENGTH (MPa): 33.0 at 3-Days 43.3 28-Days (W no-44) 53.8 SETTING TIME (minutes): 1 Initial 120 Final 180 SOUNDNESS: 1.0 Le-Chatelier Expn. (mm) 1.0 Autoclave Expn. (%) 0.06 a) Normal Consistency (%) 27.5	CHEMICAL COMPOSITION: 22.1 % Soluble Silica 22.1 % Alumina 5.2 % Iron Oxide 4.1 % Lime 62.1 % Magnesia 0.7 % Insoluble Residue 0.5 % Sulphur Calculated 2.6 as SO3 1.7 % Loss On Ignition 1.7 LIME SATURATION FACTOR 0.85 PROPORTION OF ALUMINA TO IRON OXIDE 1.27 TRI CALCIUM ALUMINATE 6.84 % Chloride 0.031 FINENESS: Specific Surface (m2/kg) COMPRESSIVE STRENGTH (MPa): 33.0 at 3-Days 33.0 7-Days 43.3 28-Days (W no-44) 53.8 SETTING TIME (minutes): Initial Initial 120 Final 180 SOUNDNESS: Le-Chatelier Expn. (mm) Le-Chatelier Expn. (mm) 1.0 Autoclave Expn. (%) 27.5

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Chief Mgr.Q.A.