

43GROPC

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



Name & Address of the Consignee :

VARIOUS PARTIES
INCLUDING ACC DUMPS

DATE 05.06.2015 <u>DESPATCH PARTICULARS :-</u> WEEK NO- 21

(21.05.2015 to 27.05.2015)

		(21.05.2015 to 27.05.2015)
		Requirements as per
	Results	IS: 8112 : 2013
% Alumina	4.9	
% Iron Oxide	4.0	
% Lime	61.8	
% Magnesia	0.8	Not more than 6.0%
% Insoluble Residue	0.9	Not more than 4.0%
% Sulphur Calculated	2.5	Not more than 3.5%
as SO3		
% Loss On Ignition	1.9	Not more than 5.0 %
LIME SATURATION FACTOR	0.86	Between 0.66 & 1.02
PROPORTION OF ALUMINA TO IRON OXIDE	1.23	Not less than 0.66
		Not more than 0.1%
	0.023	Not more than 6.176
Specific Surface (m2/kg)	289	Not less than 225
COMPRESSIVE STRENGTH (MPa):		
at 3-Days	32.9	Not less than 23
7-Days	42.1	Not less than 33
28-Days (W no-18)	56.0	Not less than 43 and
CETTING TIME (minutes)		not more than 58
· · · · · ·	115	Not less than 30
Finai	1/5	Not more than 600
SOUNDNESS:		
Le-Chatelier Expn. (mm)	1.5	Not more than 10 mm
Autoclave Expn. (%)	0.08	Not more than 0.8 %
a) Normal Consistency (%)	27.8	
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z, remplanting results (action)		
	% Lime % Magnesia % 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-18) SETTING TIME (minutes): Initial Final SOUNDNESS: Le-Chatelier Expn. (mm)	% Soluble Silica 21.9 % Alumina 4.9 % Iron Oxide 4.0 % Lime 61.8 % Magnesia 0.8 % Insoluble Residue 0.9 % Sulphur Calculated 2.5 as SO3 1.9 ** Loss On Ignition 1.9 LIME SATURATION FACTOR 0.86 PROPORTION OF ALUMINA TO IRON OXIDE 1.23 TRI CALCIUM ALUMINATE 6.22 % Chloride 0.023 FINENESS: Specific Surface (m2/kg) 289 289 COMPRESSIVE STRENGTH (MPa): 32.9 at 3-Days 42.1 28-Days (W no-18) 56.0 SETTING TIME (minutes): 115 Initial 115 Final 175 SOUNDNESS: 1.5 Le-Chatelier Expn. (mm) 1.5 Autoclave Expn. (%) 0.08 a) Normal Consistency (%) 27.8

ACC LIMITED
Wadi Cement Works
P.O. WADI In
Dist. Gulbarga-Karnataka
PIN: 585225

Chief Mgr.Q.A.