Pyramid Industry Private Ltd

SURVEY NO.118, B/H.GAYATRI WEIGHTBRIDGE, HASANPAR
WANKANER, DIST:MORBI MO. NO.99789 79090

BUILDCEM™
The mark of Concrete Strength

TEST CERTIFICATE

ORIGINAL

Name & Address of the Recipient

Test Report Number	Invoice Date	Invoice No.
TC		

Vehicle no. :
Sample : G.G.B.S.
Week No. :
Testing Date :

CM/L-7600131109

Sr.	Name Of Test	Result Obtained	Requirement as per IS 16714 : 2018
1	Loss on Ignition %	0.39	3.00 (Max.)
2	Chloride Content %	0.01	0.10 (Max.)
3	Silica (SiO2) %	35.61	
4	Magnesium Oxide (MgO) %	8.43	17.0 (Max.)
5	Calcium Oxide (CaO) %	36.11	
6	Al2O3 (%)	16.29	
7	Insoluble Residue %	0.41	3.00 (Max.)
8	Sulphate (as SO3) %	0.24	3.00 (Max.)
9	Sulphide Sulphur (S) %	0.44	2.00 (Max.)
10	Fineness M2/kg	358	320 (Min.)
11	Residue by wet Sieve on 45 %	4.60	
12	Glass Content %	95.00	85 (Min.)
13	Manganese oxide Content (MnO) %	0.46	5.50 (Max.)
14	Moisture Content %	0.22	1.00 (Max.)
15	Bulk Density KG/M3	1030	
16	Specific Gravity	2.84	
18	Slag Activity Index (SAI) (%)		
	(a) 7 Days* (Mpa)	33.80	Not less than 60% of control OPC 43 Grade Cement Mortar Cube
	(b) 28 Days (Mpa)	53.10	Not less than 75% of control OPC 43 Grade Cement Mortar Cube
19	Chemicals Modul		
	(a) (CaO + MgO + 1/3AL2O3) / SiO2 + 2/3AL2O3	1.07	1.00 (Min.)
	(b) CaO + MgO + Al2O3 / SiO2	1.70	1.00 (Min.)

Note :

Slag activity index (SAI) shall be determined using blend of 50% GGBS and 50% Control OPC 43 conforming to IS 269 having total alkalies (Na2O+0,658 K2O not less than 0,6% and not more than 0.9%)

The blend shall be tested in accordance with IS 4031 (Part 6), for determining compressive strength of mortar.

Fineness may vary up to +/- 100 M2/ Kg with compare to external lab testing reports & our testing result at plant.

SAI shall be determined as : $\frac{\text{Compressive strenght of the mortar cube using blend}}{\text{Compressive strength of control OPC mortar cube}} * 100$

For, Pyramid Industry Private Ltd

PYRAMID INDUSTRY PVT. LTD. WANKANER

(QC Head)