



**CENTRAL MATERIAL TESTING LABORATORY
WAPDA, LAHORE.**

PHYSICAL TESTING OF CEMENT

AGENCY: Manager Procurement Gharib Wal Cement Limited 34-Main Gulberg Lahore.

PROJECT Not mentioned

REF.NO: GCL/cmmt tst cmtl Dated; 28-10-2008

LAB. NO: 5227

CEMENT: Paidar Cement (OPC) Gharib Wal Cement Ltd.

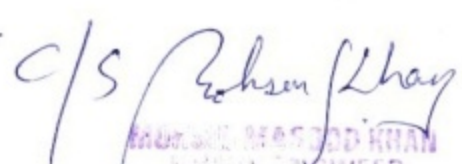
PHYSICAL TESTS

	Results	PSS 232:1983(R)	BSS 12:1978
1. <u>Specific Surface</u> (Blain Air Permeability)	3290 cm ² /gm	MIN.2250 cm ² /gm	MIN.2750 cm ² /gm
2. <u>Compressive Strength</u>			
i. At 3 days	5527 PSI	2250 PSI	3335
ii. At 7 days	6545 PSI	3400 PSI	Not Specified
iii. At 28 days	8145 PSI	5000 PSI	5945
3. <u>Normal Consistency</u>	29.6 %	Not Specified	Not Specified
4. <u>Setting Time</u>			
i. Initial	155 min.	MIN. 45 min.	MIN. 45 min.
ii. Final	228 min.	MAX. 600 min.	MAX. 184 min.
5. <u>Soundness</u> (Autoclave Expansion)	0.19 %	MAX 0.80 % ASTM	
6. <u>Le-Chatlier Expansion</u>	1.5 mm	MAX. 10.0 mm	MAX. 10.0 mm

Note: This report is solely based on the testing of sample provided to the Lab.

Compiled by: 
(Muhammad Saleem ARO)

Checked by: 


ENGINEER
C.M.T.L. WAPDA LAHORE.