



# Lonestar Alpha Laboratories

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## REPORT ON COMPRESSIVE STRENGTH OF CONCRETE MASONRY BLOCKS

|                      |                                         |                                |                 |
|----------------------|-----------------------------------------|--------------------------------|-----------------|
| REPORT NO.           | LSCIV09-9127/1                          | REPORT DATE                    | 29.01.13        |
| REQUEST NO.          | SCIV/13-0116/1                          | SAMPLE NO.                     | SCIV/13-0116/1  |
| CUSTOMER             | AL SALAMI & AL KASHRY TRADING CO.LLC    | DATE OF RECEIPT                | 15.01.13        |
| PROJECT CLIENT       | NG                                      | CONSULTANT                     | NG              |
| PROJECT              | FOR VARIOUS PROJECTS                    | LOCATION                       | OUHI            |
| SAMPLE DESCRIPTION   | 8" HOLLOW BLOCK (7.5N/MM <sup>2</sup> ) | NOMINAL SIZE mm                | 390 X 190 X 190 |
| PLACE OF SAMPLING    | SITE                                    | SOURCE                         | SOHAR PLANT     |
| METHOD OF SAMPLING   | NG                                      | DATE OF SAMPLING               | 15.01.13        |
| SAMPLE BROUGHT IN BY | CUSTOMER                                | CERTIFICATE OF SAMPLING        | NG              |
| PRODUCTION DATE      | 01.01.13                                | CLIENT REF                     | NG              |
| TESTED BY            | SMS                                     | VERIFIED BY                    | RMP             |
| TEST METHOD          | BS 6073: PART 1 & 2: 1981               | TEST METHOD VARIATION (IF ANY) | NIL             |
| REMARK (IF ANY )     | NIL                                     | PAGE #                         | 1 OF 1          |

| SPECIMEN NO.                                   | AVERAGE THICKNESS mm | AREA mm <sup>2</sup> | MAXIMUM LOAD kN | CRUSHING STRENGTH N/mm <sup>2</sup> |
|------------------------------------------------|----------------------|----------------------|-----------------|-------------------------------------|
| 1                                              | 190                  | 74100                | 1059            | 14.3                                |
| 2                                              | 190                  | 74100                | 1061            | 14.3                                |
| 3                                              | 190                  | 74100                | 1095            | 14.8                                |
| 4                                              | 190                  | 74100                | 1101            | 14.9                                |
| 5                                              | 190                  | 74100                | 1078            | 14.5                                |
| 6                                              | 190                  | 74100                | 1065            | 14.4                                |
| 7                                              | 190                  | 74100                | 1098            | 14.8                                |
| 8                                              | 190                  | 74100                | 1108            | 15.0                                |
| 9                                              | 190                  | 74100                | 1085            | 14.6                                |
| 10                                             | 190                  | 74100                | 1107            | 14.9                                |
| AVERAGE COMPRESSIVE STRENGTH N/mm <sup>2</sup> |                      |                      |                 | 14.7                                |

Note: Cement type used: OPC

**Rakesh M. Pillai**  
Assist. Manager - Civil

For and on Behalf of Lonestar Alpha Laboratories  
Sohar

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