

**TEST REPORT**  
**CHEMICAL ANALYSIS OF MATERIALS USING X-RAY FLUORESCENCE**

**Dubai Central Laboratory**

Engineering Materials Laboratory Section – Chemical Analysis Unit

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**REPORT NO.** : 2010056343

**DATE** : 20/07/2010

**WEB REQUEST NO.** : -

**REQUEST NO.** : 2010041706

**SAMPLE NO.** : 2010053202

**PROJECT NO.** : PS-1214

**PROJECT NAME** : TESTING SERVICE FOR LECA BLDG MATERIAL LLC - DUBAI

**CONSULTANT** : NO SPECIFIC CONSULTANT

**CONTRACTOR** : NO SPECIFIC CONTRACTOR

**LOCATION** : LECA BLDG. MATERIAL LLC -DUBAI

**SOURCE** : LECA CO. - TEHRAN, IRAN

**SAMPLE DESC.** : LIGHT EXPANDED CLAY AGGREGATE

**Date of Sampling** : 05/07/2010

**Time** : -

**Lot No.** : NG

**Date of Recv Sample** : 12/07/2010

**Time** : 11:30

**Lot Size** : NG

**Size of Sample** : 5 kg

**Sender No.** : NG

COMPONENT	AVERAGE CONTENT(%)
SiO <sub>2</sub>	61.58
Al <sub>2</sub> O <sub>3</sub>	16.99
Fe <sub>2</sub> O <sub>3</sub>	7.62
CaO	3.78
MgO	2.56
SO <sub>3</sub>	0.19
TiO <sub>2</sub>	0.80
MnO <sub>2</sub>	0.10
Na <sub>2</sub> O	1.03
K <sub>2</sub> O	2.34
LOSS ON IGNITION	0.2

**SAMPLED BY** : HAMED (Manufacturer)

**TESTED BY** : NAZIR

**SAMPLES BROUGHT IN BY** : HAMED (Manufacturer)

**TEST DATE** : 15/07/2010

**SAMPLING METHOD** : NOT GIVEN

**SAMPLING REPORT NO.** : NG

**TEST METHOD** : BS EN 196 - 2 : 2005

**TEST METHOD VARIATION** : 1g OF THE IGNITED SAMPLE AT 1100C & 9g OF LITHIUM TETRABORATE AND LITHIUM BORATE (66:34) AND 0.5g OF LANTHANUM OXIDE FLUX WAS USED.

**MATERIAL TYPE** :

**REMARKS** :

**VERIFIED BY**  
**HEAD OF UNIT**

**This report is computer approved, it does not require any signature**  
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