

UNIVERSITY OF DAR ES SALAAM
DEPARTMENT OF STRUCTURAL ENG
P.O.BOX 35131 DAR ES SALAAM

Tel 2410500 /9 Extn 2861
 Direct line 2410500
 Our reference SCE june 2015



Telegram :univeng
 Dar es Salaam
 Fax 2410114
 Email bico@foe.Udsm .ac.tz

TEST REPORT - CEMENT

CLIENT: LAKE CEMENT

PROJECT:

1. General :

On 16/06/15 The Building Materials Laboratory received 1 (ONE)sample of cement from the above named Client for testing. The cement Brand was (NYATI CEMENT 42.5R)

The cement was tested for strength (2 days and 28 days), setting times (initial and final) as well as soundness (expansion)

2. Procedure

The cement was tested according to EN 196-1
 Strength tests were performed on 7.07 cm cubes , setting times were evaluated by using the vicat apparatus and soundness tests by the Le- Chatelier method

3. Test results

sample ind	soundness Expansion mm	setting times		fineness cm ² /g	strength tests	
		initial min	final min		2 days N/mm ²	28 days N/mm ²
NYATI CEMENT 42.5 R	1.	85	197	2496	21.7	45.8
REQUIREMENTS EN 197-1-2000						
PLC 42.5 N	≤ 10	≥ 60	≤ 10 hrs	2275	≥ 10	min 42.5/max 62.5
PLC 42.5 R	≤ 10	≥ 60	≤ 10 hrs		≥ 20	min 42.5/max 62.6

