



# TEST CERTIFICATE

## CEM II/42.5 N

WEEK NO: 33  
DATE OF REPORTING: 18/Sep/2020

Average of dispatched cement during week 33/2020 (from 09-Aug-2020 to 16-Aug-2020)  
sampled and tested in accordance with the requirements of the Tanzanian standard.

### TZS 727:2002. Equivalent to EN 197-1

#### 1. Chemical Test

Properties	Unit	Test Result	Specified Requirement TZS 727:2002
Loss on ignition (LOI)	% (m/m)	7.07	No requirement
Insoluble residue (IR)	% (m/m)	1.91	5.0 max
Sulfate ( $SO_3$ )	% (m/m)	2.01	3.5 max
Silicon dioxide ( $SiO_2$ )	% (m/m)	18.12	No requirement
Aluminium Oxide ( $Al_2O_3$ )	% (m/m)	6.31	No requirement
Ferric Oxide ( $Fe_2O_3$ )	% (m/m)	3.11	No requirement
Calcium Oxide (CaO)	% (m/m)	60.71	No requirement
Magnesium Oxide (MgO)	% (m/m)	2.03	5.0 max

#### 2. Physical Test

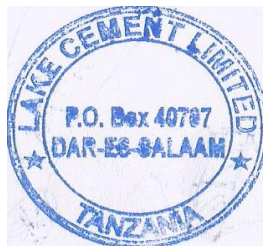
Fineness	$M^2/Kg$	402	No requirement
Soundness	mm	1.67	10 max
Initial setting time	min	158	60 min
Final setting time	min	210	No requirement

#### Compressive Strength

2 Days	MPa	15.64	$\geq 10$
7 Days	MPa	30.56	
28 Days	MPa	46.60	$\geq 42.5 - \leq 62.5$

Remarks:

QUALITY HEAD



PRODUCTION HEAD

Head Office: First Floor, ATC House, Plot 773/40 Ohio/Garden Street, Garden Avenue,  
PO Box 40707, Dar Es Salaam, Tanzania, Tel: +255222139610, Fax: +255222134198  
Factory Address: Kimbiji, District-Temeka, Tanzania