



# TEST CERTIFICATE

## CEM II/42.5 R

WEEK NO: 33  
DATE OF REPORTING: 18/Sep/2020  
Average of dispatched cement during week 33/2020 (from 10-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	TZS
Loss on ignition (LOI)	% (m/m)	7.44	No requirement	
Insoluble residue (IR)	% (m/m)	1.63	5.0 max	
Sulfate ( $SO_3$ )	% (m/m)	2.05	3.5 max	
Silicon dioxide ( $SiO_2$ )	% (m/m)	17.71	No requirement	
Aluminium Oxide ( $Al_2O_3$ )	% (m/m)	6.17	No requirement	
Ferric Oxide ( $Fe_2O_3$ )	% (m/m)	3.05	No requirement	
Calcium Oxide (CaO)	% (m/m)	61.30	No requirement	
Magnesium Oxide (MgO)	% (m/m)	2.02	5.0 max	

#### 2. Physical Test

Fineness	$M^2/Kg$	392	No requirement	
Soundness	mm	1.64	10 max	
Initial setting time	min	166	60 min	
Final setting time	min	214	No requirement	

#### Compressive Strength

2 Days	MPa	20.46	$\geq 20$	
7 Days	MPa	30.45		
28 Days	MPa	50.49	$\geq 42.5 - \leq 62.5$	

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