



# TEST CERTIFICATE

## CEM II/32.5 N

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)	9.44	No requirement	
Insoluble residue (IR)	% (m/m)	1.77	5.0 max	
Sulfate (SO <sub>3</sub> )	% (m/m)	2.11	3.5 max	
Silicon dioxide (SiO <sub>2</sub> )	% (m/m)	16.97	No requirement	
Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )	% (m/m)	6.01	No requirement	
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	% (m/m)	3.04	No requirement	
Calcium Oxide (CaO)	% (m/m)	60.88	No requirement	
Magnesium Oxide (MgO)	% (m/m)	2.02	5.0 max	

#### 2. Physical Test

Fineness	M <sup>2</sup> /Kg	425	No requirement	
Soundness	mm	2.79	10 max	
Initial setting time	min	163	75 min	
Final setting time	min	209	No requirement	

#### Compressive Strength

7 Days	MPa	26.38	≥16	
28 Days	MPa	40.56	≥32.5 - ≤52.5	

Remarks:

QUALITY HEAD



PRODUCTION HEAD

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