



# TEST CERTIFICATE

**CEM II B-L 32.5 N**

WEEK NO: 26 Year 2024  
DATE OF REPORTING: 2/Aug/2024  
Average of dispatched cement From 24/Jun/2024 To 30/Jun/2024  
sample 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)	7.61	No requirement
Insoluble residue (IR)	% (m/m)	3.26	5.0 max
Sulfate (SO <sub>3</sub> )	% (m/m)	2.20	3.5 max
Silicon dioxide (SiO <sub>2</sub> )	% (m/m)	18.38	No requirement
Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )	% (m/m)	6.15	No requirement
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	% (m/m)	3.56	No requirement
Calcium Oxide (CaO)	% (m/m)	60.51	No requirement
Magnesium Oxide (MgO)	% (m/m)	1.25	5.0 max
Potassium Oxide (K <sub>2</sub> O)	% (m/m)	0.21	No requirement
Sodium Oxide (Na <sub>2</sub> O)	% (m/m)	0.20	No requirement
Total Alkali as Na <sub>2</sub> O	% (m/m)	0.34	0.60 max
Chlorides (Cl)	% (m/m)	0.004	0.10 max

### 2. Physical Test

Fineness	M <sup>2</sup> /Kg	396	No requirement
Soundness	mm	1.14	10 max
Initial setting time	min	166	75 min
Final setting time	min	226	No requirement

### Compressive Strength

7 Days	MPa	27.51	≥16
28 Days	MPa	40.29	≥32.5 - ≤52.5

Remarks:



QUALITY HEAD





PRODUCTION HEAD

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