



TEST CERTIFICATE

CEM II A-L 42.5 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	TZS
Loss on ignition (LOI)	% (m/m)	6.47	No requirement	
Insoluble residue (IR)	% (m/m)	3.52	5.0 max	
Sulfate (SO ₃)	% (m/m)	2.11	4.0 max	
Silicon dioxide (SiO ₂)	% (m/m)	18.44	No requirement	
Aluminium Oxide (Al ₂ O ₃)	% (m/m)	6.20	No requirement	
Ferric Oxide (Fe ₂ O ₃)	% (m/m)	3.17	No requirement	
Calcium Oxide (CaO)	% (m/m)	60.41	No requirement	
Magnesium Oxide (MgO)	% (m/m)	1.57	5.0 max	
Potassium Oxide (K ₂ O)	% (m/m)	0.21	No requirement	
Sodium Oxide (Na ₂ O)	% (m/m)	0.22	No requirement	
Total Alkali as Na ₂ O	% (m/m)	0.36	0.60 max	
Chlorides (Cl)	% (m/m)	0.006	0.10 max	

2. Physical Test

Fineness	M ² /Kg	404	No requirement	
Soundness	mm	1.69	10 max	
Initial setting time	min	172	60 min	
Final setting time	min	231	No requirement	

Compressive Strength

2 Days	MPa	21.43	≥ 10	
7 Days	MPa	31.53		
28 Days	MPa	50.65	≥ 42.5 - ≤ 62.5	

Remarks:

QUALITY HEAD



PRODUCTION HEAD

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