



TEST CERTIFICATE

CEM II B-L 32.5 N

WEEK NO: 16

Year 2025

DATE OF REPORTING: 20/May/2025

Average of dispatched cement From 14/Apr/2025

To 20/Apr/2025

The sample was prepared and tested in accordance with the requirements of the Tanzanian Bureau of Standards

TZS 727-1/EAS18-1 Equivalent to EN 197-1

1. Chemical Test

Properties	Unit	Test Result	Specified Requirement TZS 727-1/EAS 18-1
Loss on ignition (LOI)	% (m/m)	7.73	No requirement
Insoluble residue (I R)	% (m/m)	3.07	5.0 max
Sulfate (SO ₃)	% (m/m)	2.22	4.0 max
Silicon dioxide (SiO ₂)	% (m/m)	18.57	No requirement
Aluminium Oxide (Al ₂ O ₃)	% (m/m)	6.06	No requirement
Ferric Oxide (Fe ₂ O ₃)	% (m/m)	3.40	No requirement
Calcium Oxide (CaO)	% (m/m)	60.27	No requirement
Magnesium Oxide (MgO)	% (m/m)	1.43	5.0 max
Potassium Oxide (K ₂ O)	% (m/m)	0.17	No requirement
Sodium Oxide (Na ₂ O)	% (m/m)	0.32	No requirement
Total Alkali as Na ₂ O	% (m/m)	0.43	0.60 max
Chlorides (Cl)	% (m/m)	0.003	0.10 max

2. Physical Test

Fineness	M ² /Kg	418	No requirement
Soundness	mm	1.00	10 max
Initial setting time	min	162	60 min
Final setting time	min	222	No requirement

Compressive Strength

7 Days	MPa	27.36	≥ 16
28 Days	MPa	40.20	≥ 32.5 - ≤ 52.5

Remarks:

QUALITY HEAD



PRODUCTION HEAD

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