

Tanzania Portland Cement Company limited

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WEEKLY CERTIFICATE OF CHEMICAL & PHYSICAL TESTS

TWIGA ORDINARY, CEM I CLASS 42.5 N

Average of dispatched cement during week 12/2017 (from 20th March, 2017 to 26th March, 2017)

Sampled and tested in accordance with the requirements of the Tanzanian standard

TZS727:2002. Equivalent to EN 197-1


Test	Unit	Test results	Specified requirements TZS 727:2002
Loss on Ignition	[%]	4.7	Less than 5.0%
Insoluble Residues	[%]	1.0	Less than 5.0%
CaO	[%]	62.5	No requirement
SiO ₂	[%]	18.8	No requirement
CaO/SiO ₂	[-]	3.3	Not less than 2.0%
Al ₂ O ₃	[%]	5.1	No requirement
Fe ₂ O ₃	[%]	3.0	No requirement
MgO	[%]	0.5	Not more than 5.0%
SO ₃	[%]	2.7	Less than 3.5%
Cl ⁻	[%]	0.001	Less than 0.10%
Density	[kg/m ³]	3100	No requirement
Specific Surface (Blaine)	[m ² /kg]	385	No requirement
Sieving Residue on 45 mic.	[%]	13.7	No requirement
Initial Setting Time	[Minutes]	103	Not less than 60 minutes
Soundness (Expansion)	[mm]	1.0	Not more than 10.0 mm
Compressive Strength 2 days	[MPa]	23.0	More than 10.0 MPa
Compressive Strength 28 days*	[MPa]	55.5	Between 42.5 and 62.5 Mpa

Remarks: * Cement dispatched during week 08/2017 (from 20th February, 2016 to 26th February, 2017)

Wazo Hill, 2017/03/30th


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Quality Control Manager


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Quality & Process Control Manager


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Commercial Director

Board Directors:

Jean-Marc Junon (French)
Alfonso Rodriguez (Spanish)
Hakan Gurdal (Turkish)

Gary Whitehead (British)
Ruth Zaipuna (Tanzanian)
Oswald Urassa (Tanzanian)