

Report No.: 20220047

Customer :

Type of cement: CEM II/B-L 42.5R

Production Period: 1st August - 31st August, 2022

Issue Date: 24th October, 2022

Main Constituents: Clinker and Limestone

Description of test	Test Results	Specifications	Test method
CHEMICAL REQUIREMENTS			
Loss on ignition (%)	5.56		
Insoluble residue (%)	17.44		
Sulphate content (% SO ₃)	2.42	≤ 3.50	EN 196-2
Chloride content (%)	0.04	≤ 0.10	EN 196-2
Total Alkalis (% Na ₂ O _{eq})	0.93		

MECHANICAL AND PHYSICAL REQUIREMENTS			
2 Days Compressive Strength (MPa)	22.9	≥ 20.0	EN 196-1
7 Days Compressive Strength (MPa)	35.9		
28 Days Compressive Strength (MPa)	45.4	≥ 42.5	EN 196-1
Initial Setting Time (minutes)	182	≥ 60	EN 196-3
Final Setting Time (minutes)	276		
Soundness (mm)	1.0	≤ 10.0	EN 196-3
Consistency (%)	33.0		
Fineness (cm ² /g)	4452		

The above complies with the specifications of the European Standard EN 197-1 and with Ghana Standard GS 1118:2016 for Portland Limestone Cement

Signed by : 

Remi Touvet
Plant Manager

Signed by : 

Peter Dickson
Quality Manager