PNG TAIHEIYO CEMENT LIMITED
QUALITY CONTROL SECTION
PHONE (675)472 7499 FAX (675)472 4218/1300

MONTHLY TEST RESULTS FOR August-2026

FOR Lae Clinker Grinding & Cement Packing Plant
The following Results of Test conducted in accordance with ASTM C150-20 for Type I, Ordinary Portland Cement (OPC)-Paradise Cement.

DESCRIPTION OF TEST					
CHEMICAL COMPOSITION		**ASTM C150**		**UNIT**	**RESULTS**
Silicon Dioxide	(SiO_2)			%	20.04
Aluminum Oxide	(Al_2O_3)			%	5.25
Ferric Oxide	(Fe_2O_3)			%	3.26
Calcium Oxide	(CaO)			%	64.61
Magnesium Oxide	(MgO)	Max.	6.0	%	1.58
Sulphur Trioxide	(SO_3)	Max.	3.5	%	1.96
Loss-On-Ignition	(LOI)	Max.	3.5	%	2.47
Alkali	($0.658K_2O+Na_2O$)			%	0.62
Phosphorus Pentoxide	(P_2O_5)			%	0.20
Insoluble Residue	(IR)	Max.	1.5	%	0.06
Limestone		Max.	5.0	%	3.2
L.S.F				%	98.0
S.M					2.35
I.M					1.61
C_3S				%	65.2
C_2S				%	8.3
C_3A				%	8.4
C_4AF				%	9.9
PHYSICAL					
Blaine (Air Permeability App)		Min.	2600	cm^2/g	3,390
45μm Residue				%	10.3
Initial Setting Time		Min.	45	mins	183
		Max.	375	mins	289
Water Demand				%	24.0
Compressive Strength	3Days	Min.	12	N/mm^2	32.0
	7Days	Min.	19	N/mm^2	34.8
	28Days	Min.	28	N/mm^2	46.9

We hereby certify that the content of the report is correct and accurate and that the paradise cement herein has been made and/or tested in accordance with the above specification and with the requirement of the customers order.

Date : October 29th ,2026
PNG Taiheiyo Cement Limited
Lae Plant

Mr. Robert Potit
Senior Laboratory Technician

Mr. Kristianto Teguh
Operations Manager