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

MONTHLY TEST RESULTS FOR September-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)			%	20.79
Aluminum Oxide	(Al_2O_3)			%	5.50
Ferric Oxide	(Fe_2O_3)			%	3.25
Calcium Oxide	(CaO)			%	65.56
Magnesium Oxide	(MgO)	Max.	6.0	%	1.57
Sulphur Trioxide	(SO_3)	Max.	3.5	%	1.90
Loss-On-Ignition	(LOI)	Max.	3.5	%	2.59
Alkali	($0.658K_2O+Na_2O$)			%	0.75
Phosphorus Pentoxide	(P_2O_5)			%	0.36
Insoluble Residue	(IR)	Max.	1.5	%	0.05
Limestone		Max.	5.0	%	3.2
L.S.F				%	96.0
S.M					2.38
I.M					1.69
C_3S				%	61.9
C_2S				%	12.9
C_3A				%	9.1
C_4AF				%	9.9
PHYSICAL					
Blaine (Air Permeability App)		Min.	2600	cm^2/g	3,450
45μm Residue				%	11.3
Initial Setting Time		Min.	45	mins	179
		Max.	375	mins	353
Water Demand				%	25.0
Compressive Strength	3Days	Min.	12	N/mm^2	29.1
	7Days	Min.	19	N/mm^2	34.2
	28Days	Min.	28	N/mm^2	38.9

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 : November 17th ,2026
PNG Taiheiyo Cement Limited
Lae Plant

Mr. Robert Potit
Senior Laboratory Technician

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Operations Manager