



TRINIDAD CEMENT LIMITED

Southern Main Road, Claxton Bay,
Trinidad and Tobago
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+1 (868) 225-8254

CERTIFICATE OF QUALITY
FOR TYPE IP(8) CEMENT - CLASSIFIED ACCORDING TO A.S.T.M. C595/C595M - 23

Manufactured by Trinidad Cement Limited
Southern Main Road, Claxton Bay

Cement Sampled/ Production Date: 11-17/08/2024		Consignee: Bestcrete/Ansa Macal Ltd		
Brand: TCL Premium Plus		Churchill Roosevelt Highway, Trincity		
Chemical Analysis				
Component	ASTM NO.	Specification % max	Results % by Weight	
Silica (SiO ₂)	C114 - 23		23.4	
Aluminium Oxide (Al ₂ O ₃)			7.1	
Iron (III) Oxide (Fe ₂ O ₃)			3.80	
Calcium Oxide (CaO)			58.5	
Magnesium Oxide (MgO)		6.0	2.0	
Total Sulphur (exp as SO ₃)		4.0	3.05	
Loss Of Ignition		5.0	1.8	
Total Alkalies				0.67
Physical Analysis				
Test Method	ASTM NO.	Specification	Results	
Fineness (m ² /kg)	C204 - 24		389	
Residue on 45µ Sieve	C430 - 17	20.0 (max)	4.0	
Time Of Setting (Minutes)	C191 - 21	Initial 45 (min)	205	
		Final 420 (max)	275	
Compressive Strength (MPa)	C109/C109M - 21		10.6	
		1 Day		
		3 Days	13.0 (min)	22.2
		7 Days	20.0 (min)	30.5
		28 Days	25.0 (min)	nr
Mortar Flow (%)		110 ± 5	108	
Soundness - Autoclave Expansion (%)	C151/C151M - 23	0.8 (max)	0.01*	
Air Content of Mortar (Vol %)	C185 - 20	12.0 (max)	4.0*	

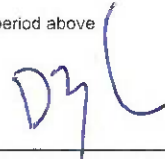
nr - Will be supplied at a later date

For Sampling see CL34/SA 01

* Indicated typical figures

This test report relates only to the Cement Sampled/Produced in the stated period above


CERTIFIED BY STEPHEN BACHAN
QUALITY AND ENVIRONMENT COORDINATOR


APPROVED BY DAVID NEUHAUS
OPERATIONS MANAGER

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