

ANALYSIS CERTIFICATE

Cement Type: CEM I 52.5 N White

Chemical & Physical Properties

Quality control Departement

Cement Characteristics		Standard	Result	Specifications	Units
SiO ₂		EN 196-2	23.28	-	%
Al ₂ O ₃			3.47	-	%
Fe ₂ O ₃			0.185	-	%
CaO			67.12	-	%
K ₂ O			0.03	-	%
Na ₂ O			0.08	-	%
Alkalis content "Na ₂ O Equ."			0.10		%
Loss in Ignition		EN 196-2	2.62	≤ 5.0	%
F.CaO		EN 196-2	2.70		%
Magnesia (MgO)		EN 196-2	0.27		%
Sulphur Trioxide (SO ₃)		EN 196-2	2.60	≤ 4.0	%
Chloride		EN 196-2	0.040	≤ 0.10	%
Insoluble Residue		EN 196-2	0.38	≤ 5.0	
Whiteness	(CIE 1931) Y		85.80		%
	L*		94.19		%
	(Hunter scale) L		91.08		%
Fineness Blaine (cm ² /g)		EN 196-6	4222		cm ² /g
Initial Setting time (min)		EN 196-3	130	≥ 45	min
Final Set (min)		EN 196-3	170		min
Expansion "Le Chatelier" (mm)		EN 196-3	3.0	≤ 10	mm
C3S		Bogue	54.27		%
C2S			26.11		%
C3A			8.88		%

Compressive Strenath

	Standard	Result	Limits	Units
2 days	EN 196-1	36.00	≥ 20	N/mm ²
28 days		70.15	≥ 52.5	

The above results complying with requirements EN 197-1

Approval by:
Lab. & Q.C.