

ANALYSIS CERTIFICATE

Cement Type: CEMII/B-L 42.5 N White

Chemical & Physical Properties

Quality control Department

Cement Characteristics		Standard	Result	Specifications	Units
SiO ₂		EN 196-2	17.09	-	%
Al ₂ O ₃			2.45	-	%
Fe ₂ O ₃			0.180	-	%
CaO			64.22	-	%
K ₂ O			0.03	-	%
Na ₂ O			0.08	-	%
Alkalis content "Na ₂ O Equ."			0.10	-	%
Loss in ignition		EN 196-2	13.40	-	%
F.CaO		EN 196-2	2.80	-	%
Magnesia (MgO)		EN 196-2	0.30	-	%
Sulphur Trioxide (SO ₃)		EN 196-2	2.00	≤ 3.5	%
Chloride		EN 196-2	0.036	≤ 0.10	%
Insoluble Residue		EN 196-2	0.45		
Whiteness	(CIE 1931) Y		88.00		%
	L*		95.14		%
	(Hunter scale) L		92.20		%
Fineness Blaine (cm ² /g)		EN 196-6	5579		cm ² /g
Initial Setting time (min)		EN 196-3	150	≥ 60	min
Final Set (min)		EN 196-3	190		min
Expansion "Le Chatelier" (mm)		EN 196-3	2.0	≤ 10	mm
C3S		Bogue	97.67		%
C3A			6.19		%

Compressive Strength

	Standard	Result	Limits	Units
2 days	EN 196-1	23.50	≥ 10.0	N/mm ²
28 days		49.65	42.5 --- 62.5	

The above results complying with requirements EN 197-1

Approval by:
Lab. & Q.C.