

ANALYSIS CERTIFICATE

Sampling Date : 01-10-2016

Analysis Date : 02-10-2016

Cement Type: CEM I 52,5 N White

Week 40

Chemical & Physical Properties

Cement Characteristics	Standard	Result	Specification	Units
SiO ₂	EN 196-2	24.14	-	%
Al ₂ O ₃		1.73	-	%
Fe ₂ O ₃		0.21	-	%
CaO		67.54	-	%
K ₂ O		0.04	-	%
Na ₂ O		0.13	-	%
Alkalis content "Na ₂ O Equ."		0.16		%
Loss in ignition	EN 196-2	3.37	≤ 5	%
F.CaO	EN 196-2	3.35		%
Magnesia (MgO)	EN 196-2	0.30		%
Sulphur Trioxide (SO ₃)	EN 196-2	2.46	≤ 4.0	%
Chloride	EN 196-2	0.039	≤ 0.10	%
Insoluble Residue	EN 196-2	0.75	≤ 5	
Whiteness (CIE 1931) Y		86.00		%
Fineness Blaine (cm ² /g)	EN 196-6	4500		cm ² /g
Initial Setting time (min)	EN 196-3	230	≥ 45	min
Final Set (min)	EN 196-3	270		min
Expansion "Le Chatelier" (mm)	EN 196-3	2.5	≤ 10	mm
C3S	Bogue	58.85		%
C2S		17.90		%
C3A		4.23		%

Compressive Strength

	Standard	Result	Limits	Units
2 days	EN 196-1	26.20	≥ 20	N/mm ²
28 days		63.90	≥ 52.5	

The above results complying with requirements EN 197-1/2011

 Approval by:
Lab. & Q.C.
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