

Karon Cement CO.
Quality Control Test Report

Product Name: Portland Cement Type 2 (42/5N)

Date: 1402-02-10

OPC

Test Parameters			Method	Result	Product Range
Loss on Ignition	LOI	%	ISIRI 1692	1/9	2/0± 0.5
Silicon Dioxide	SiO ₂	%	" "	21/0	*
Aluminium Oxide	Al ₂ O ₃	%	" "	4/6	*
Ferric Oxide	Fe ₂ O ₃	%	" "	3/6	*
Calcium Oxide	CaO	%	" "	62/5	*
Magnesium Oxide	MgO	%	" "	3/2	Max 3/5
Sulfur Trioxide	SO ₃	%	" "	2/4	2.2± 0/5
Equivalent alkali	A.E			0/76	*
Insoluble Residue	IR	%	ISIRI 1692	0/5	*
Free Cao	F.CaO	%	ISO774	1/2	-
Tricalcium Silicate	C ₃ S	%	Bouge Method	51/9	-
Dicalcium Silicate	C ₂ S	%	" "	20/9	-
Tricalcium Aluminate	C ₃ A	%	" "	6/1	7.5± 1
Calcium Alumino Ferrite	C ₄ AF	%	" "	11/0	-

PHYSICAL TESTS

Blaine		Cm ² /gr	ISIRI 390	3050	3200 ± 100
Setting Time - Vicat Test			ISIRI 392	-	-
Initial		Min	" "	110	-
Compressive Strength	3 days	" "	" "	205	-
	7 days	" "	" "	360	-
	28 days	" "	" "	455	-
Autoclave Expansion		%	ISIRI 391	0/08	Max 0.2

Lab Manager

Company Manager