

Karoon Cement CO.

Quality Control Test Report

Product Name: Sulfat Resistant Cement

Date: 1402-02-10

SRC

Test Parameters			Method	Result	Product Range
Loss on Ignition	LOI	%	ISIRI 1692	1/7	*
Silicon Dioxide	SiO ₂	%	" "	21/2	*
Aluminium Oxide	Al ₂ O ₃	%	" "	4/55	*
Ferric Oxide	Fe ₂ O ₃	%	" "	6	*
Calcium Oxide	CaO	%	" "	62/8	*
Magnesium Oxide	MgO	%	" "	2/11	*
Sulfur Trioxide	SO ₃	%	" "	2/0	2± 0.3
Equivalent alkali	A.E		" "	0/72	*
Insoluble Residue	IR	%	ISIRI 1692	0/65	*
Free Cao	F.CaO	%	ISO774	1/1	*
Tricalcium Silicate	C ₃ S	%	Bouge Method	49/6	*
Dicalcium Silicate	C ₂ S	%	" "	23/2	*
Tricalcium Aluminate	C ₃ A	%	" "	1/9	max 3/0
Calcium Alumino Ferrite	C ₄ AF	%	" "	18/3	-

PHYSICAL TESTS

Blaine		Cm ² /gr	ISIRI 390	2900	3000 ±200
Setting Time - Vicat Test			ISIRI 392	-	-
Initial		Min	" "	110	Min 80
Final		hr	" "	2:10	*
Compressive Strength	2 days	kg/cm ²	ISIRI 393	*	*
	3 days	" "	" "	195	200±20
	7 days	" "	" "	275	300±30
	28 days	" "	" "	420	400±20
Autoclave Expansion		%	ISIRI 391	0/08	Max 0.2

Lab Manager

Company Manager