



الشركة العربية اليمنية للأسمنت المحدودة
Arabian Yemen Cement Company Ltd

Cement Test Certificate

Ref: AYCC/QC/Spec/EN/CEMI/42.5/03
Manufacturing Date: (01-31)/03/2026
Date of Issue: 06/04/2026

Brand Name: Hadhramout Cement
Type: Portland Cement
Code: EN 197-1 : 2011 CEM I 42.5 N

Chemical Tests	Unite	Typical Analysis	Standard Requirements	
			Min.	Max.
Silicon dioxide (SiO ₂)	%	20.40	-	-
Aluminum Oxide (Al ₂ O ₃)	%	5.10	-	-
Ferric Oxide (Fe ₂ O ₃)	%	4.15	-	-
Calcium Oxide (CaO)	%	64.85	-	-
Magnesium Oxide (MgO)	%	1.45	-	5.0
Potassium Oxide (K ₂ O)	%	0.24	-	-
Sodium Oxide (Na ₂ O)	%	0.13	-	-
Sulphuric anhydride (SO ₃)	%	2.15	-	3.50
Chloride (Cl)	%	0.01	-	0.10
Alkalies Eq.as (Na ₂ O)	%	0.29	-	-
Loss on Ignition (L.O.I.)	%	3.15	-	5.0
Insoluble Residue (I.R.)	%	1.50	-	5.0
Tricalcium Aluminate (C ₃ A)	%	6.49	-	-
Tetracalciumaluminoferrite (C ₄ AF)	%	12.63	-	-

Physical Tests		Unite	Typical Analysis	Standard Requirements	
				Min.	Max.
Fineness, Specific surface	Blaine	M ² /kg	≥380	-	-
Setting Time	Initial	Minutes	121	60	-
	Final	Minutes	189	-	-
Soundness	Le Chatelier	mm	0.50	-	10
Compressive Strength	2 Days	MPa	18±1	10	-
	7 Days	MPa	> 30.0	-	-
	28 Days	MPa	> 48.0	42.5	62.5

Cement conforms to all requirements of (EN 197-1: 2011 CEM I 42.5 N) standers at the time of dispatch.



Quality Control Manager