



اسمنت البادية
AL BADIA CEMENT

CEMENT QUALITY CERTIFICATE

● Cement Name:	Portland-pozzolana Cement	اسمنت بورتلاندي بوزولاني	● اسم الاسمنت:
● Cement Type:	CEM II/B-P	CEM II/B-P	● نوع الاسمنت:
● Strength Class:	32.5 N	32.5 N	● رتبة المقاومة:
● Complies With:	BS EN197-1:2011 / S.N.S: 3800:2015	BS EN197-1:2011 / S.N.S: 3800:2015	● يتوافق مع:
● Dispatch Date:	From 18.06.2025 to 24.06.2025	من ٢٠٢٥/٠٦/٢٤ إلى ٢٠٢٥/٠٦/٢٨	● تاريخ الشحن:

STANDARD COMPOSITION REQUIREMENTS

CHEMICAL COMPOSITION		Test Method S.N.S 75:1998	Standard Requirements	
		Test Results		
Silicon Dioxide,	SiO2 (%)	27.36	Confirmed	≤ 3,5
Aluminum Trioxide,	Al2O3 (%)	5.85		
Ferric Oxide,	Fe2O3 (%)	5.13		
Calcium Oxide,	CaO (%)	50.36		
Magnesium Oxide,	MgO (%)	4.38		
Sulfur Trioxide,	SO3 (%)	2.55	Confirmed	≤ 0,10
Potassium Oxide	K2O (%)	0.49		
Sodium Oxide	Na2O (%)	0.52		
Chloride,	Cl (%)	0.030		
Insuluble Residue,	IR (%)	2.98		
Loss On Ignition,	LOI (%)	2.18		
Pozzolanicity	...			

PHYSICAL AND MECHANICAL PROPERTIES

COMPRESSIVE STRENGTH		Test Method S.N.S 1674:1989		Standard Requirements
		Test Results		
2 days	(N/mm2)	12.7	Confirmed	≥ 16,0
7 days	(N/mm2)	30.9		≥ 32,5 & ≤ 52,5
28 days	(N/mm2)	41.9	Confirmed	
SETTING TIME		Test Method S.N.S 1675:1996		Standard Requirements
		Test Results		
Initial Setting Time	(minutes)	255	Confirmed	≥ 75
Final Setting Time	(minutes)	355		
Standard Consistency	(%)	30.0		
SOUNDNESS		Test Method S.N.S 1675:1996		Standard Requirements
		Test Results		
Expansion	(mm)	1.2	Confirmed	≤ 10
FINENESS		Test Method S.N.S 1973/43:1996		Standard Requirements
		Test Results		
Specific Surface		3415		



Quality Manager
Omar Rahmoun

Optimization Manager
MHD Mustafa Ramadan

Plant Director
Ali Hayder

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اسمنت البادية
AL BADIA CEMENT CO.

CEMENT QUALITY CERTIFICATE

● Cement Name:	Portland-pozzolana Cement	اسمنت بورتلاندي بوزولاني	● اسم الإسمنت:
● Cement Type:	CEM II/A-P	CEM II/A-P	● نوع الإسمنت:
● Strength Class:	42.5 N	42.5 N	● رتبة المقاومة:
● Complies With:	BS EN197-1:2011 / S.N.S: 3800:2015	BS EN197-1:2011 / S.N.S: 3800:2015	● يتوافق مع:
● Dispatch Date:	From 18.06.2025 to 24.06.2025	من ٢٠٢٥/٠٦/٢٤ إلى ٢٠٢٥/٠٦/٢٨	● تاريخ الشحن:

STANDARD COMPOSITION REQUIREMENTS

CHEMICAL COMPOSITION		Test Method S.N.S 75:1998	Standard Requirements	
		Test Results		
Silicon Dioxide,	SiO ₂ (%)	21.38		
Aluminum Trioxide,	Al ₂ O ₃ (%)	5.22		
Ferric Oxide,	Fe ₂ O ₃ (%)	4.53		
Calcium Oxide,	CaO (%)	57.15		
Magnesium Oxide,	MgO (%)	4.22		
Sulfur Trioxide,	SO ₃ (%)	2.69	Confirmed	≤ 3,5
Potassium Oxide	K ₂ O (%)	0.52		
Sodium Oxide	Na ₂ O (%)	0.68		
Chloride,	Cl (%)	0.025	Confirmed	≤ 0,10
Insoluble Residue,	IR (%)	1.68		
Loss On Ignition,	LOI (%)	2.18		
Pozzolanicity		...		

PHYSICAL AND MECHANICAL PROPERTIES

COMPRESSIVE STRENGTH		Test Method S.N.S 1674:1989	Standard Requirements	
		Test Results		
2 days	(N/mm ²)	18.5	Confirmed	≥ 10,0
7 days	(N/mm ²)	38.9		
28 days	(N/mm ²)	51.4	Confirmed	≥ 42,5 & ≤ 62,5
SETTING TIME		Test Method S.N.S 1675:1996	Standard Requirements	
		Test Results		
Initial Setting Time	(minutes)	250	Confirmed	≥ 60
Final Setting Time	(minutes)	350		
Standard Consistency	(%)	30.0		
SOUNDNESS		Test Method S.N.S 1675:1996	Standard Requirements	
		Test Results		
Expansion	(mm)	1.3	Confirmed	≤ 10
FINENESS		Test Method S.N.S 1973/43:1996	Standard Requirements	
		Test Results		
Specific Surface		3395		



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