

CEMENT PROUDUCTS

CEM I 52.5 N



HIGH QUALITY AND MULTI-PURPOSE PORTLAND CEMENT, ONE OF THE BEST TYPES OF MULTI-TASKING CONCRETE, IT'S PREFERABLE TO USE IN THE NORMAL USES OF CEMENT



**According to Egyptian standard norm 4756-1/2022
and technically comply with BS EN 197-1/ 2011**

CEMENT CERTIFICATE

PORTLAND CEMENT CEMI 52.5 N

DESCRIPTION		LIMITATIONS BS EN 197 – 1 (2011) and ES 4756 – 1 (2013)	OBTAINED RESULTS
PHYSICAL TEST			
Soundness (Expansion) (mm)		≤ 10	0.0
Fineness , Blaine (cm2/g)		..	4050
Insoluble Residue (%)		≤ 5.0	3.5
Intial setting time (minute)		≥ 45	170
Water consistency (%)		..	27.9
Compressive Strength (Mpa)	2 days	≥ 20	24.5
	28 days	≥ 52.5	56.0
CHEMICAL ANALYSIS			
Silicone Dioxide (SiO2) %		..	18.25
Aluminium Oxide (Al2O3) %		..	4.60
Ferric Oxide (Fe2O3) %		..	3.81
Calcium Oxide (CaO) %		..	62.31
Magnesium Oxide (MgO) %		..	1.05
Sulfer Trioxide (SO3) %		≤ 4	3.50
Sodium Oxide (Na2O) %		..	0.31
Potassium Oxide (K2O) %		..	0.25
Chloride (Cl) %		≤ 0.1	0.05
Hexavalent chromium (PPM)		≤ 2	1.80
Loss On Ignition (LOI) %		≤ 5.0	3.50