

	SWC-DOQ's	Version: 07 Date: Oct 2025 Rev:00
Quality control department	Declaration of quality (DOQ's)	
Issued by: Ahmed El Sayed Ahmed Ibrahim	Quality Manager <u>21/10/2025</u>	
Approved by: Ashraf Abdeen	Plant Manager <u>[Signature]</u>	

CEM I 52,5 R

CEM I 52,5 R	Units	Targets	Standard Deviation
Chemical composition			
SO ₃	%	3.2	0.15
MgO	%	Max 5.0	0.1
Cl	%	Max 0.1	0.04
Grinding aid GA	gm/T	350 ± 10	8.8
LOI	%	3.10	0.25
Physical properties			
Fineness (Blaine)	m ² /kg	425	12
Compressive strength			
1 Day	MPa	25	3
2 Day	MPa	40	3
28Day	MPa	70	2.8
Initial setting time	Minutes	160	12
Hunter L	%	93.0 ± 0.5	0.3
Hunter b	%	3.8 ± 0.5	0.3
Minor Constituent			
CK.	Gyp.	LS.	
95 ± 1	3 ± 1	2 ± 1	



Quality control department