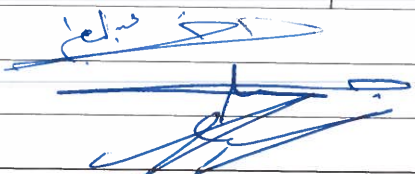
 سيناء للأسمنت الأبيض sinai white cement aalborg portland <small>CEMENTER BUILDING</small>	SWC-DOQ's	Version: 06 Date: Jul. 2023 Rev:01
Quality control department	Declaration of quality (DOQ's)	
Issued by: Eng. Hossam Taha		
Verified by: Eng. Ahmed El Sayed		
Approved by: Eng. Ayman Abd Elsabour		

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	170 ± 10	8.8
LOI	%	3.10	0.25
Physical properties			
Fineness (Blaine)	m ² /kg	425	15
Compressive strength			
1 Day	MPa	25	3
2 Day	MPa	40	3
28Day	MPa	70	3
Initial setting time	Minutes	160	15
Hunter L	%	93.0 ± 1	0.3
Hunter b	%	3.8 ± 0.5	0.3
Minor Constituent			
CK.		Gyp.	LS.
95 ± 1		3 ± 1	2 ± 1