

## TEST REPORT

CLIENT

**GREEN CEMENT FACTORY LLC****CHEMICAL ANALYSIS OF GGBS**

Report date: 10.02.2022

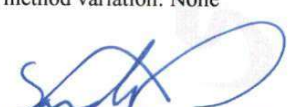
Report number	: D22-420844-2	Source	: Green Cement Factory
Project number	: Not Specified	Sample location	: Green Cement
Project name	: Quality Assurance	Sampled by	: Client Representative
Project location	: Not Specified	Sampling date/time	: 26.01.2022
Client ref./request no.	: Not Specified	Sampling method	: Random
Sample description as : identified by the client	Cement (GGBS) [Platinum-1]	Sample delivered by	: Client Representative
		Date/time sample received	: 01.02.2022 – 0900 Hrs.
Sample size	: 250g Approximately	Date tested	: 01.02.2022 ~ 10.02.2022
Sample details	: Not Specified	Tested by, name / location :	GJ, SK (DXB) / PV (AUH)
Lot number	: Not Specified		
Lot size	: Not Specified		
Test methods	: 1. ASTM C 114 2. ICP - OES		

## Results:

PARAMETERS	UNITS	RESULTS	Specification limits as per BS EN 15167:2006
Moisture Content at 100 ± 3 °C	% by weight	0.24	1.0 (Max)
Loss on Ignition at 950°C (LOI)	% by weight	1.39	3.0 (Max)
Insoluble Residue (IR)	% by weight	0.16	---
Silicon Dioxide (SiO <sub>2</sub> )	% by weight	29.4	---
#Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )	% by weight	14.9	---
#Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	% by weight	1.35	---
Calcium Oxide (CaO)	% by weight	43.4	---
Magnesium Oxide (MgO)	% by weight	3.1	18.0 (Max)
Sulphate as (SO <sub>3</sub> )	% by weight	0.74	2.5 (Max)
#Sodium Oxide (Na <sub>2</sub> O)	% by weight	0.28	---
#Potassium Oxide (K <sub>2</sub> O)	% by weight	0.35	---
#Manganese Trioxide (Mn <sub>2</sub> O <sub>3</sub> )	% by weight	0.18	---
Chloride (Cl)	% by weight	0.01	0.1 (Max)
#Titanium Oxide (TiO <sub>2</sub> )	% by weight	0.58	---
Total Alkalies (Na <sub>2</sub> O+0.658K <sub>2</sub> O)	% by weight	0.55	---
Chemical Modules			
Chemical Modules (CaO+MgO/SiO <sub>2</sub> )	% by weight	1.58	1.0 (Min)
Chemical Modules (CaO+MgO+SiO <sub>2</sub> )	% by weight	75.9	66.7 (Min)

Remarks: Sample collected by the client. Details of sampling which may affect the accuracy of the test results were not provided by the client

Test method variation: None

  
Sandeep P.K. (Head of Chemistry Department)  
For Al Hoty-Stanger Laboratory - Dubai

CHEM/G/01/02/Rev.02 /MR



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-End of Report-

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