

LAB ANALYSIS REPORT

Customer : Construction Material Company
Material : Silica Sand
Grade Size : 0.3-0.6 mm
Date : 20-07-2023

Physical & Chemical Analysis:

Reference used:

Standard method of chemical analysis by F.J. Welcher 6th edition, volume II, Part B. / ASTM C 136/ ASTM E-11/04.

Physical Analysis

Sieve Size in mm	Retained (%)
0.710	0
0.600	20.99
0.500	51.83
0.425	18.83
0.300	4.73
PAN	3.62

Chemical Analysis

Parameter tested	Results in %
SiO ₂	98.80-99.50
Al ₂ O ₃	0.46
Fe ₂ O ₃	0.040
TiO ₂	0.047
Moisture Content	0.04
Loss on ignition at 1000 °C	0.18
Specific Gravity	2.62 gm/cc
Density	1.68 gm/cm ³

LAB ANALYSIS REPORT

Customer : Construction Material Company
Material : Silica Sand
Grade Size : 0.8-1.25 mm
Date : 20-07-2023

Physical & Chemical Analysis:

Reference used:

Standard method of chemical analysis by F.J. Welcher 6th edition, volume II, Part B. / ASTM C 136/ ASTM E-11/04.

Physical Analysis

Sieve Size in mm	Retained (%)
1.18	0
1.00	57.81
0.850	38.12
0.710	2.86
PAN	1.21

Chemical Analysis

Parameter tested	Results in %
SiO ₂	98.80-99.50
Al ₂ O ₃	0.46
Fe ₂ O ₃	0.040
TiO ₂	0.047
Moisture Content	0.04
Loss on ignition at 1000 °C	0.18
Specific Gravity	2.62 gm/cc
Density	1.68 gm/cm ³

LAB ANALYSIS REPORT

Customer : Construction Material Company
Material : Silica Sand
Grade Size : 1.0-2.0 mm
Date : 20-07-2023

Physical & Chemical Analysis:

Reference used:

Standard method of chemical analysis by F.J. Welcher 6th edition, volume II, Part B. / ASTM C 136/ ASTM E-11/04.

Physical Analysis

Sieve Size in mm	Retained (%)
2.00	0
1.70	14.78
1.40	38.65
1.18	43.23
1.00	2.64
PAN	0.70

Chemical Analysis

Parameter tested	Results in %
SiO ₂	98.80-99.50
Al ₂ O ₃	0.46
Fe ₂ O ₃	0.040
TiO ₂	0.047
Moisture Content	0.04
Loss on ignition at 1000 °C	0.18
Specific Gravity	2.62 gm/cc
Density	1.68 gm/cm ³