# Glass sand: laboratory chemical analyses

*Desensitized English results extract*

Two laboratory reports for glass sand, recorded in 2026: one labelled raw sample and one labelled finished product. Values are mass percentages (%), copied exactly as reported. Both reports used method GB/T 4734-2022. Each submitted sample was a powder, about 160 g.

The original reports do not state whether processing was dry or wet, or the equipment or process conditions.

## Raw sample

| Analyte | Result (%) |
|---|---|
| **Loss on ignition (IL)** | 0.025 |
| **$Al_2O_3$** | 1.31 |
| **$SiO_2$** | 71.35 |
| **$Fe_2O_3$** | 0.16 |
| **CaO** | 8.45 |
| **MgO** | 4.25 |
| **$K_2O$** | 0.25 |
| **$Na_2O$** | 14.02 |
| **$TiO_2$** | 0.040 |

## Finished product

| Analyte | Result (%) |
|---|---|
| **Loss on ignition (IL)** | 0.024 |
| **$Al_2O_3$** | 1.44 |
| **$SiO_2$** | 71.32 |
| **$Fe_2O_3$** | 0.11 |
| **CaO** | 8.58 |
| **MgO** | 4.22 |
| **$K_2O$** | 0.26 |
| **$Na_2O$** | 13.85 |
| **$TiO_2$** | 0.044 |

## How to read these results

$TiO_2$ is listed only because it appears in the original analyses. This extract does not claim a reduction in titanium.

This is an English transcription of the results tables. Identifying details (names, places, report numbers, letterhead, stamps and signatures) have been omitted. It is not the original issued report or a laboratory-certified translation.

No removal percentage is stated or calculated. Results apply only to the tested submitted samples, are for reference only, and are not a guarantee of industrial-plant performance.