

Certificate of Analysis

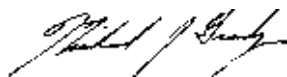
Product Name:

Silicon dioxide – nanopowder, 10–20 nm particle size (BET), 99.5% trace metals basis

Product Number: 637238
Batch Number: MKCP6654
Brand: ALDRICH
CAS Number: 7631-86-9
MDL Number: MFCD00011232
Formula: O₂Si
Formula Weight: 60.08 g/mol
Quality Release Date: 21 MAY 2021



| Test | Specification | Result |
|--------------------------------------|--------------------|--------------------|
| Appearance (Color) | White | White |
| Appearance (Form) | Powder | Powder |
| Particle Size | Conforms | Conforms |
| 10-20 nm | | |
| ICP Major Analysis | Confirmed | Conforms |
| Confirms Silicon Component | | |
| Purity | Meets Requirements | Meets Requirements |
| 99.5% Based On Trace Metals Analysis | | |
| Trace Metal Analysis | ≤ 5500.0 ppm | 5.2 ppm |
| Boron (B) | | 4.0 ppm |
| Calcium (Ca) | | 1.0 ppm |
| Magnesium (Mg) | | 0.2 ppm |



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Quality Control
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Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

