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## Product Specification

Product Name:

Strontium titanate – nanopowder, &lt;100 nm particle size, 99% trace metals basis

**Product Number:** 517011  
**CAS Number:** 12060-59-2  
**MDL:** MFCD00049554  
**Formula:** O3SrTi  
**Formula Weight:** 183.49 g/mol



| TEST  | Specification         |
|---|-----------------------|
| Appearance (Color)                                  | White to Off-White    |
| Appearance (Form)                                   | Powder                |
| X-Ray Diffraction                                   | Conforms to Structure |
| Loss on Ignition<br>1 Hour at 1000 Degrees Celsius  |                       |
| Size  | ≤ 100 nm              |
| ICP Major Analysis<br>Confirms Ti and Sr Components | Confirmed             |
| Purity<br>99% Based On Trace Metals Analysis        | Conforms              |
| Trace Metal Analysis                                | ≤ 15000.0 ppm         |

Specification: PRD.1.ZQ5.10000024725

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](http://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.