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# Specification

## Technical Data Sheet

|   |                      |
|---|----------------------|
| <b>Product Name</b>                     | Lanthanum oxide      |
| <b>Product No</b>                       | 49375751             |
| <b>CAS Number</b>                       | 1312-81-8            |
| <b>Storage Temperature</b>              | Ambient              |
| <b>Molecular Weight</b>                 | 325.81               |
|   | <b>Specification</b> |
| <b>SiO<sub>2</sub></b>                  | ≤0.0035%             |
| <b>Fe<sub>2</sub>O<sub>3</sub></b>      | ≤0.01%               |
| <b>TREO</b>                             | ≥98.%                |
| <b>La<sub>2</sub>O<sub>3</sub>/TREO</b> | ≥99.99%              |
| <b>CeO<sub>2</sub></b>                  | ≤0.0015%             |
| <b>Nd<sub>2</sub>O<sub>3</sub></b>      | ≤0.0010%             |
| <b>Pr<sub>6</sub>O<sub>11</sub></b>     | ≤0.0010%             |
| <b>Y<sub>2</sub>O<sub>3</sub></b>       | ≤0.0005%             |
| <b>Appearance</b>                       | White powder         |