

Code No.12-0183

SPECIFICATION

Lanthanum Oxide, 99.99%
for Optics

| REQUIREMENT | SPECIFICATION |
|--|------------------------------|
| Appearance | White ~ nearly white, powder |
| Solubility in dil.nitric acid | to pass test |
| Loss on ignition | max.2.0% |
| Magnesium (Mg) | max.0.001% |
| Calcium (Ca) | max.0.01% |
| Cerium (Ce) | max.0.005% |
| Iron (Fe) | max.0.001% |
| * Purity (subtracting method) | min.99.99% |
| Assay (after ignition) (volumetric analysis) | min.99.0% |

*:calculated by subtracting method with determination of metal impurities