

EUROPIUM OXIDE *Eu2O3*

Properties

Light pink powder

Application

- Dopant for phosphors
- Manufacture of red fluorescent powders for colour television tubes and high-power mercury lamps
- Capturing thermal neutrons in nuclear control applications



Chemical analysis

| | | |
|--------------------------------|--|----------------|
| | | 99,99 % |
| <u>Material base</u> | | |
| TREO* | | min. 99,0 % |
| L.O.I., 1000°C | | max. 1,0 % |
| Fe ₂ O ₃ | | < 5 ppm |
| CaO | | < 10 ppm |
| Al ₂ O ₃ | | < 60 ppm |
| SiO ₂ | | < 60 ppm |
| <u>TREO base</u> | | |
| Eu ₂ O ₃ | | min. 99,99 % |
| Total remaining RE-Oxides | | max. 100 ppm |

*TREO = Total Rare Earth Oxide

Physical parameter

| | | |
|---------|-------------|-------------|
| PSD d50 | (Microtrac) | typ. 2-10 μ |
|---------|-------------|-------------|

Packing

- Plastic boxes with 1, 5 or 10 kgs net
- Plastic or steeldrums with 25 kgs resp. 50 kgs net
- BigBags with 500 resp. 1.000 kgs net
- Other packing on request