GNPGraystar
Specialty Materials
AN ISO 9001 CERTIFIED COMPANY

TECHNICAL DATA SHEET
Ytterbium Oxide

Typical Chemistry

	99.9 %	99.99 %
In Material		
TREO*	≥ 99.0	≥ 99.0
LOI (1000°C/2 hrs - %	≤ 1.0	≤ 1.0
Iron Oxide (Fe_2O_3) - ppm	< 50	< 10
Calcium Oxide (CaO) - ppm	< 150	< 100
Cobalt Oxide (Co_3O_4) - ppm	< 5	< 2
Nickel Oxide (NiO) - ppm	< 5	< 2
Silicon (Si) - ppm		100
In 100 TREO		
Ytterbium Oxide (Yb_2O_3) - %	≥ 99.9	≥ 99.99
Total Remaining RE-Oxides - %	≤ 0.1	≤ 0.01

* TREO - Total Rare Earth Oxides

Typical Physical Characteristics

	99.9 %	99.99 %
PSD (d50) - microns	2 - 10	2 - 10

Description:

GNPGraystar's Ytterbium Oxide is a white to beige powder. It is typically used as a phosphor activator and in coding material for security systems.

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