

NS6130-12-001219

Terbium Doped GADOLINIUM OXY SULFIDE Nanopowder

Quick Facts

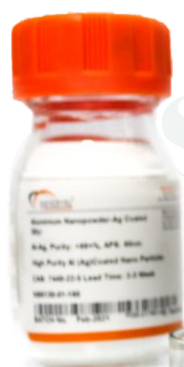
Product	:	Terbium Doped Gadolinium Oxysulfide Nanopowder
Stock No	:	NS6130-12-001219
Purity	:	99.9%
Molecular Formula	:	Gd ₂ O ₂ S:Tb
Form	:	Powder
APS	:	50-80nm

Purity
99.9%

Terbium doped Gadolinium Oxysulfide (Gadolinium Oxide Sulfide) is a phosphor material. Terbium activated gadolinium oxysulfide (Gd₂O₂S:Tb), one of the rare earth oxysulfide group of phosphors, is known to be an efficient phosphor and shows bright green luminescence and high efficiency under UV, cathode-ray and X-ray excitations. Terbium doped Gadolinium Oxysulfide used detection systems for high-resolution neutron imaging comprise a scintillator screen optically coupled to CCD or CMOS camera and also used in the scintillator screen.

Applications:

- X-ray intensifying screens, ceramic scintillators, flat panel detectors, X-ray tomography, used as fluorescent, luminescent materials for optical glass, plasma display panel of television tube and as radiation sensors and detectors.



Gd₂O₂S:Tb
APS 50-80nm



Follow us:



| www.nanoshel.com | sales@nanoshel.com



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911