

## Niobium Oxide $Nb_2O_5$

### Application

Niobium Oxide is used for the production of Niobium Carbide, as an additive for optical glasses and for electronic applications.

Two grades are available:

- Standard Grade
- Optical Grade

### Chemical Characteristics

Elements	Standard Grade	Optical Grade
	%	%
Al	0.05 max	0.001 max
Cr	-	0.001 max
F	0.10 max	0.02 max
Fe	0.04 max	0.001 max
Mn	-	0.001 max
Mo	-	0.001 max
Ni	-	0.001 max
P	0.01 max	-
Si	0.04 max	0.005 max
Ta	0.80 max	0.01 max
Ti	0.006 max	0.001 max
W	0.04 max	0.001 max
Loss of Ignition	0.20 max	0.20 max

### Physical Characteristics

Grade	FSSS
	$\mu\text{m}$
standard	1.5 typical
optical	1.5 typical



### Packing

- 25 kg in 40 l coated steel drums with rubber sealing
- Material in PE- Bag

### Maximum Lot Size

- 500 kg

Inspection certificate according  
 DIN EN 10204 3.1