

КАТАЛОГ

ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.9999%	99.999%	99.99%	99.9%	99%
CHEMICAL COMPOSITION					
Y ₂ O ₃ /TREO (% min.)	99.9999	99.999	99.99	99.9	99
TREO (% min.)	99.9	99	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.	% max.
La ₂ O ₃ /TREO	0.00001	0.0001	0.0003	0.03	0.03
CeO ₂ /TREO	0.00001	0.0001	0.0003	0.01	0.03
Pr ₆ O ₁₁ /TREO	0.00005	0.0001	0.0003	0.005	0.03
Nd ₂ O ₃ /TREO	0.00005	0.0001	0.0003	0.005	0.03
Sm ₂ O ₃ /TREO	0.00001	0.0001	0.0003	0.005	0.03
Eu ₂ O ₃ /TREO	0.00001	0.0002	0.0003	0.01	0.1
Gd ₂ O ₃ /TREO	0.00005	0.0001	0.0003	0.001	0.05
Tb ₄ O ₇ /TREO	0.00001	0.0001	0.003	0.005	0.05
Dy ₂ O ₃ /TREO	0.00005	0.0001	0.005	0.03	0.3
Ho ₂ O ₃ /TREO	0.00001	0.0001	0.0003	0.03	0.3
Er ₂ O ₃ /TREO	0.00001	0.0001	0.0003	0.001	0.03
Tm ₂ O ₃ /TREO	0.00001	0.0001	0.0003	0.005	0.03
Yb ₂ O ₃ /TREO	0.00001	0.0001	0.0003	0.001	0.03
Lu ₂ O ₃ /TREO	0.00001	0.0001	0.0003	0.001	0.03
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.	% max.
Fe ₂ O ₃	0.0001	0.0003	0.0003	0.001	0.01
SiO ₂	0.005	0.005	0.01	0.03	0.05
CaO	0.001	0.001	0.001	0.01	0.05
Cl-	0.005	0.01	0.01	0.05	0.1
CuO	0.0001	0.0002	0.0003		
NiO	0.0001	0.0003	0.0003		
PbO	0.0001	0.0002	0.0003		
Na ₂ O	0.0001	0.0015	0.0015		
K ₂ O	0.0001	0.0015	0.0015		
MgO	0.0001	0.0015	0.0015		
Al ₂ O ₃	0.0005	0.005	0.005		
TiO ₂	0.0001	0.005	0.005		
ThO ₂	0.0001	0.002	0.002		



КАТАЛОГ

ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.999%	99.995%	99.99%	99.9%	99%
CHEMICAL COMPOSITION					
La2O3/TREO (% min.)	99.999	99.995	99.99	99.9	99
TREO (% min.)	99	99	99	98	98
Loss on ignition (% max.)	1.0	1.0	1.0	2.0	2.0
Rare Earth Impurities	% max.	% max.	% max.	% max.	% max.
CeO2/TREO	0.0002	0.0005	0.005	0.05	0.5
Pr6O11/TREO	0.0002	0.0005	0.005	0.01	0.1
Nd2O3/TREO	0.0001	0.0005	0.001	0.01	0.1
Sm2O3/TREO	0.0001	0.0005	0.001	0.01	0.01
Eu2O3/TREO	0.0001	0.0005	0.001	0.001	0.01
Gd2O3/TREO	0.0001	0.0005	0.001	0.001	0.01
Y2O3/TREO	0.0005	0.0005	0.005	0.005	0.1
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.	% max.
Fe2O3	0.0001	0.0002	0.0005	0.005	0.01
SiO2	0.005	0.005	0.01	0.05	0.05
CaO	0.005	0.005	0.01	0.05	0.05
CoO	0.0002	0.0002	0.0005		
NiO	0.0002	0.0002	0.0005		
CuO	0.0002	0.0002	0.0003		
MnO2	0.0002	0.0002	0.0005		
Cr2O3	0.0002	0.0003	0.0003		
CdO	0.0005	0.0005	0.0005		
PbO	0.0005	0.001	0.001		
Particle size (D50, microns)	2.0-6.0	50.0-60.0	2.0-7.0		

Grade	99.999%	99.99%	99.9%	99%
CHEMICAL COMPOSITION				
Pr6O11/TREO (% min.)	99.999	99.99	99.9	99
TREO (% min.)	99	99	99	99
Loss On Ignition (% max.)	1	1	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
La2O3/TREO	0.0005	0.005	0.01	0.05
CeO2/TREO	0.0005	0.005	0.03	0.05
Nd2O3/TREO	0.001	0.01	0.05	0.7
Sm2O3/TREO	0.0001	0.001	0.01	0.01
Eu2O3/TREO	0.0001	0.001	0.01	0.01
Gd2O3/TREO	0.0001	0.001	0.01	0.01
Y2O3/TREO	0.0005	0.005	0.01	0.01
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe2O3	0.0005	0.001	0.003	0.005
SiO2	0.005	0.01	0.02	0.03
CaO	0.01	0.01	0.01	0.02
Cl-	0.01	0.01	0.02	0.03
CdO	0.0005	0.0005		
PbO	0.001	0.001		

КАТАЛОГ

ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.999%	99.99%	99.9%	99%
CHEMICAL COMPOSITION				
CeO ₂ /TREO (% min.)	99.999	99.99	99.9	99
TREO (% min.)	99	99	99	99
Loss on ignition (% max.)	1.0	1.0	1.0	1.0
Rare Earth Impurities	% max.	% max.	% max.	% max.
La ₂ O ₃ /TREO	0.0002	0.005	0.1	0.5
Pr ₆ O ₁₁ /TREO	0.0002	0.005	0.1	0.5
Nd ₂ O ₃ /TREO	0.0002	0.001	0.01	0.05
Sm ₂ O ₃ /TREO	0.0002	0.001	0.01	0.05
Y ₂ O ₃ /TREO	0.0002	0.001	0.01	0.05
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe ₂ O ₃	0.0005	0.001	0.02	0.03
SiO ₂	0.005	0.01	0.03	0.05
CaO	0.003	0.01	0.05	0.05
PbO	0.0005	0.001		
Al ₂ O ₃	0.001			
NiO	0.0005			
CuO	0.0005			

CHEMICAL COMPOSITION					
CeO ₂ /TREO	45-65%	56% min.	56% min.	55-75%	55% min.
TREO	88% min.	90% min.	93% min.	88% min.	93% min.
Loss on ignition	3.0% max.	3.0% max.	3.0% max.	3.0% max.	3.0% max.
Fluorine	4-7%				4-7%
Physical Properties & Characteristics					
Density	6.0-8.0 g/cm ³	6.0-8.0 g/cm ³		6.0-8.0 g/cm ³	
Particle Size	0.2-6.0 micron	0.5-4.0 micron	1.5-5.0 micron	0.6-4.0 micron	0.8-2.5 micron
Packing	20kg carton with inner plastic bags on pallet	20kg carton with inner plastic bags on pallet	20kg carton with inner plastic bags on pallet	20kg carton with inner plastic bags on pallet	20kg carton with inner plastic bags on pallet
Application	Flat glass; Mirrors; CRT Glass; Spectacles; Goggles	Optical Lens; Optical instruments; Cameras	Precision Lens	Glass bevelling; Decorative Glass; Crystals; Quartz; Stainless steel	LCD glass

КАТАЛОГ

ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.999%	99.99%	99.9%	99%
CHEMICAL COMPOSITION				
Nd2O3/TREO (% min.)	99.999	99.99	99.9	99
TREO (% min.)	99	99	99	99
Loss On Ignition (% max.)	1	1	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
La2O3/TREO	0.0003	0.005	0.01	0.05
CeO2/TREO	0.0003	0.0005	0.01	0.05
Pr6O11/TREO	0.0005	0.005	0.05	0.5
Sm2O3/TREO	0.0005	0.0003	0.03	0.05
Eu2O3/TREO	0.0001	0.0003	0.01	0.05
Y2O3/TREO	0.0001	0.0003	0.01	0.03
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe2O3	0.0005	0.001	0.001	0.005
SiO2	0.003	0.003	0.005	0.02
CaO	0.005	0.005	0.005	0.01
CuO	0.0001	0.0002	0.002	0.005
PbO	0.0001	0.0005	0.001	0.002
NiO	0.0003	0.0005	0.001	0.001
Cl-	0.001	0.005	0.02	0.02

Grade	99.999%	99.99%	99.9%	99%
CHEMICAL COMPOSITION				
Sm2O3/TREO (% min.)	99.999	99.99	99.9	99
TREO (% min.)	99.5	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
Pr6O11/TREO	0.0003	0.005	0.01	0.03
Nd2O3/TREO	0.0005	0.01	0.05	0.25
Eu2O3/TREO	0.0005	0.01	0.03	0.25
Gd2O3/TREO	0.0005	0.005	0.01	0.03
Y2O3/TREO	0.0001	0.005	0.01	0.01
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe2O3	0.0005	0.0005	0.001	0.003
SiO2	0.005	0.005	0.015	0.03
CaO	0.005	0.01	0.02	0.03
Cl-	0.005	0.01	0.01	0.02
NiO	0.0003	0.001		
CuO	0.0003	0.001		
CoO	0.0003	0.001		



КАТАЛОГ

ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.9999%	99.999%	99.99%	99.9%
CHEMICAL COMPOSITION				
Eu2O3/TREO (% min.)	99.9999	99.999	99.99	99.9
TREO (% min.)	99.9	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
La2O3/TREO	0.00001	0.0001	0.0005	0.001
CeO2/TREO	0.00001	0.0001	0.0005	0.001
Pr6O11/TREO	0.00001	0.0001	0.0005	0.001
Nd2O3/TREO	0.00001	0.0001	0.001	0.05
Sm2O3/TREO	0.00005	0.0001	0.001	0.05
Gd2O3/TREO	0.00005	0.0001	0.001	0.001
Tb4O7/TREO	0.00001	0.0001	0.001	0.001
Dy2O3/TREO	0.00001	0.0001	0.0005	0.001
Ho2O3/TREO	0.00001	0.0001	0.0005	0.001
Er2O3/TREO	0.00001	0.0001	0.0005	0.001
Tm2O3/TREO	0.00001	0.0001	0.0005	0.001
Yb2O3/TREO	0.00001	0.0001	0.0005	0.001
Lu2O3/TREO	0.00001	0.0001	0.0005	0.001
Y2O3/TREO	0.00001	0.0001	0.0005	0.001
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe2O3	0.0002	0.0003	0.0005	0.001
SiO2	0.0003	0.001	0.005	0.01
CaO	0.0003	0.001	0.003	0.01
CuO	0.0001	0.0001	0.0005	0.001
Cl-	0.005	0.01	0.03	0.03
NiO	0.0001	0.0002	0.0005	0.001
ZnO	0.0001	0.0003	0.001	0.001
PbO	0.0001	0.0002	0.0005	0.001



КАТАЛОГ

ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.9999%	99.999%	99.99%	99.9%
CHEMICAL COMPOSITION				
Gd ₂ O ₃ /TREO (% min.)	99.9999	99.999	99.99	99.9
TREO (% min.)	99.9	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
La ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.001
CeO ₂ /TREO	0.00001	0.0001	0.001	0.001
Pr ₆ O ₁₁ /TREO	0.00001	0.0001	0.001	0.001
Nd ₂ O ₃ /TREO	0.00001	0.0001	0.001	0.01
Sm ₂ O ₃ /TREO	0.00005	0.0005	0.003	0.01
Eu ₂ O ₃ /TREO	0.00005	0.0005	0.003	0.001
Tb ₄ O ₇ /TREO	0.00005	0.0005	0.0005	0.001
Dy ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.001
Ho ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.005
Er ₂ O ₃ /TREO	0.00005	0.0005	0.0005	0.001
Tm ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.001
Yb ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.0005
Lu ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.03
Y ₂ O ₃ /TREO	0.00001	0.0001	0.0005	
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe ₂ O ₃	0.0002	0.0003	0.0005	0.002
SiO ₂	0.0015	0.005	0.005	0.015
CaO	0.0015	0.005	0.005	0.015
CuO	0.0001	0.0003	0.0005	
PbO	0.0001	0.0003	0.0005	
NiO	0.0001	0.0003	0.001	
Cl-	0.005	0.015	0.02	



POTAPENKO GLASS & FILTERS

(ПОТАПЕНКО С.В.)

Потапенко С.В. Толстого Пер. 10-22. Изюм Украина. 64300.
 Tel: +380574323415. Fax: +380574323415. Mobile: +380662255365.
 РЕГ №: 24740170000003077. ИНН 2407300057.

лист 7 листов *81*

КАТАЛОГ

ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.999%	99.99%	99.9%	99%
CHEMICAL COMPOSITION				
Tb4O7/TREO (% min.)	99.999	99.99	99.9	99
TREO (% min.)	99	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
Eu2O3/TREO	0.0001	0.001	0.01	0.01
Gd2O3/TREO	0.0005	0.002	0.1	0.5
Dy2O3/TREO	0.0005	0.002	0.15	0.3
Ho2O3/TREO	0.0001	0.001	0.02	0.05
Er2O3/TREO	0.0001	0.001	0.01	0.03
Tm2O3/TREO	0.0001	0.001		
Yb2O3/TREO	0.0001	0.001		
Lu2O3/TREO	0.0001	0.001		
Y2O3/TREO	0.0003	0.001		
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe2O3	0.0001	0.0005	0.001	0.005
SiO2	0.003	0.005	0.01	0.03
CaO	0.001	0.005	0.01	0.03
CuO	0.0001	0.0003		
NiO	0.0001	0.0003		
ZnO	0.0001	0.0003		
PbO	0.0001	0.0003		

Grade	99.999%	99.99%	99.9%	99%
CHEMICAL COMPOSITION				
Dy2O3/TREO (% min.)	99.999	99.99	99.9	99
TREO (% min.)	99	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
Gd2O3/TREO	0.0001	0.001	0.005	0.05
Tb4O7/TREO	0.0005	0.001	0.03	0.2
Ho2O3/TREO	0.0005	0.01	0.05	0.3
Er2O3/TREO	0.0001	0.001	0.005	0.3
Tm2O3/TREO	0.0001	0.001	0.005	
Yb2O3/TREO	0.0001	0.001	0.005	
Lu2O3/TREO	0.0001	0.001	0.005	0.05
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe2O3	0.0005	0.001	0.001	0.003
SiO2	0.005	0.005	0.015	0.03
CaO	0.003	0.005	0.01	0.03
CuO	0.0005	0.001	0.01	0.02
CuO	0.0001	0.0003		
NiO	0.0001	0.0003		
ZnO	0.0001	0.0003		
PbO	0.0001	0.0003		
Cl-	0.005	0.01		

КАТАЛОГ

ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.999%	99.99%	99.9%	99%
CHEMICAL COMPOSITION				
Ho2O3/TREO (% min.)	99.999	99.99	99.9	99
TREO (% min.)	99	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
Tb4O7/TREO	0.0001	0.0005	0.01	0.1
Dy2O3/TREO	0.0005	0.001	0.03	0.3
Er2O3/TREO	0.0005	0.005	0.03	0.3
Tm2O3/TREO	0.0001	0.0005	0.005	0.1
Yb2O3/TREO	0.0001	0.0005	0.005	0.01
Lu2O3/TREO	0.0001	0.0005	0.005	0.01
Y2O3/TREO	0.0001	0.001	0.01	0.05
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe2O3	0.0002	0.0005	0.001	0.005
SiO2	0.001	0.001	0.005	0.02
CaO	0.003	0.005	0.005	0.02
Cl-	0.005	0.005	0.02	
CoO	0.0001	0.0005		
NiO	0.0001	0.0005		
CuO	0.0001	0.0005		

Grade	99.999%	99.99%	99.9%	99%
CHEMICAL COMPOSITION				
Er2O3/TREO (% min.)	99.999	99.99	99.9	99
TREO (% min.)	99	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
Tb4O7/TREO	0.0001	0.0005	0.01	0.05
Dy2O3/TREO	0.0001	0.0005	0.01	0.1
Ho2O3/TREO	0.0005	0.001	0.03	0.3
Tm2O3/TREO	0.0005	0.005	0.03	0.3
Yb2O3/TREO	0.0001	0.0005	0.005	0.1
Lu2O3/TREO	0.0001	0.0005	0.005	0.01
Y2O3/TREO	0.0001	0.0005	0.1	0.5
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe2O3	0.0002	0.0005	0.001	0.005
SiO2	0.001	0.001	0.005	0.02
CaO	0.003	0.005	0.005	0.02
Cl-	0.005	0.005	0.02	
CoO	0.0001	0.0005		
NiO	0.0001	0.0005		
CuO	0.0001	0.0005		



КАТАЛОГ

ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.9999%	99.999%	99.99%	99.9%
CHEMICAL COMPOSITION				
Tm ₂ O ₃ /TREO (% min.)	99.9999	99.999	99.99	99.9
TREO (% min.)	99.9	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
Tb ₄ O ₇ /TREO	0.00001	0.0001	0.0005	0.001
Dy ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.001
Ho ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.001
Er ₂ O ₃ /TREO	0.00005	0.0005	0.0025	0.01
Yb ₂ O ₃ /TREO	0.00005	0.0005	0.0025	0.01
Lu ₂ O ₃ /TREO	0.00005	0.0001	0.0005	0.001
Y ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.001
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe ₂ O ₃	0.0001	0.0003	0.0005	0.001
SiO ₂	0.0005	0.001	0.005	0.01
CaO	0.0005	0.001	0.003	0.01
CuO	0.0001	0.0001	0.0005	0.001
Cl-	0.005	0.01	0.03	0.03
NiO	0.0001	0.0002	0.0005	0.001
ZnO	0.0001	0.0003	0.001	0.001
PbO	0.0001	0.0002	0.0005	0.001

Grade	99.9999%	99.999%	99.99%	99.9%
CHEMICAL COMPOSITION				
Yb ₂ O ₃ /TREO (% min.)	99.9999	99.999	99.99	99.9
TREO (% min.)	99.9	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
Tb ₄ O ₇ /TREO	0.00001	0.0001	0.0005	0.001
Dy ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.001
Ho ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.001
Er ₂ O ₃ /TREO	0.00001	0.0005	0.0025	0.01
Tm ₂ O ₃ /TREO	0.00005	0.0005	0.0025	0.01
Lu ₂ O ₃ /TREO	0.00001	0.0001	0.0005	0.001
Y ₂ O ₃ /TREO	0.00001	0.0005	0.0005	0.001
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe ₂ O ₃	0.0001	0.0003	0.0005	0.001
SiO ₂	0.001	0.0015	0.005	0.01
CaO	0.001	0.0015	0.005	0.01
Cl-	0.003	0.01	0.03	0.03
NiO	0.0001	0.0002	0.0005	0.001
ZnO	0.0001	0.0003	0.001	0.001
PbO	0.0001	0.0002	0.0005	0.001

PG&F

POTAPENKO GLASS & FILTERS

(ПОТАПЕНКО С.В.)
 Потопенко С.В. Толстого Пер. 10-22. Изюм Украина. 64300.
 Tel: +380574323415. Fax: +380574323415. Mobile: +380662255365.
 РЕГ №: 24740170000003077. ИНН 2407300057.

лист 10 из 11

КАТАЛОГ ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

Grade	99.9999%	99.999%	99.99%	99.9%
CHEMICAL COMPOSITION				
Lu2O3/TREO (% min.)	99.9999	99.999	99.99	99.9
TREO (% min.)	99.9	99	99	99
Loss On Ignition (% max.)	0.5	0.5	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
Tb4O7 /TREO	0.00001	0.0001	0.0005	0.001
Dy2O3 /TREO	0.00001	0.0001	0.0005	0.001
Ho2O3 /TREO	0.00001	0.0001	0.0005	0.001
Er2O3 /TREO	0.00001	0.0005	0.0005	0.001
Tm2O3 /TREO	0.00001	0.0005	0.0025	0.01
Yb2O3 /TREO	0.00005	0.0001	0.005	0.05
Y2O3 /TREO	0.00005	0.0005	0.0005	0.001
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe2O3	0.0001	0.0003	0.0005	0.001
SiO2	0.001	0.0015	0.005	0.01
CaO	0.001	0.0015	0.01	0.01
Cl-	0.003	0.01	0.02	0.03
NiO	0.0001	0.0002	0.0005	0.001
NiO	0.0001	0.0003	0.001	0.001
ZnO	0.0001	0.0002	0.0005	0.001
PbO	0.0001	0.0002	0.0005	0.001

10

КАТАЛОГ ХИМЭЛЕМЕНТОВ ОПТИЧЕСКОГО СОРТА ОКИСЛЫ РЕДКОЗЕМЕЛЬНЫХ МЕТАЛЛОВ

PRODUCT CODE	4130	4131	4132	4133
Grade	99.9999%	99.999%	99.99%	99.9%
CHEMICAL COMPOSITION				
Sc2O3/TREO (% min.)	99.9999	99.999	99.99	99.9
TREO (% min.)	99.9	99	99	99
Loss On Ignition (% max.)	0.5	1	1	1
Rare Earth Impurities	% max.	% max.	% max.	% max.
La2O3/TREO	0.00001	0.0001	Totally 0.01	Totally 0.1
CeO2/TREO	0.00001	0.0001		
Pr6O11/TREO	0.00001	0.0001		
Nd2O3/TREO	0.00001	0.0001		
Sm2O3/TREO	0.00001	0.0001		
Eu2O3/TREO	0.00001	0.0001		
Gd2O3/TREO	0.00001	0.0001		
Tb4O7/TREO	0.00001	0.0001		
Dy2O3/TREO	0.00001	0.0001		
Ho2O3/TREO	0.00001	0.0003		
Er2O3/TREO	0.00001	0.0003		
Tm2O3/TREO	0.00001	0.0003		
Yb2O3/TREO	0.00001	0.0003		
Lu2O3/TREO	0.00001	0.0001		
Y2O3/TREO	0.00001	0.0001		
Non-Rare Earth Impurities	% max.	% max.	% max.	% max.
Fe	0.0001	0.0001	0.001	0.005
Si	0.0003	0.0005	0.005	0.02
Ca	0.0001	0.0005	0.005	0.01
Cu	0.0001	0.0001		
Ni	0.0001	0.0001		
Pb	0.0001	0.0005		
Zr	0.0001	0.0005		
Ti	0.0001	0.0005		
	Send An Enquiry	Send An Enquiry	Send An Enquiry	Send An Enquiry

