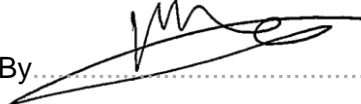


## Certificate of Analysis

Product Name:	Dysprosium Oxide (Dy <sub>2</sub> O <sub>3</sub> ) Powder
Purity:	99.95% (REO)
Lot Number:	OX66-06-SAM
Date:	09/20/2023

<u>TREO (%)</u>	99.45
<u>Dy<sub>2</sub>O<sub>3</sub>/TREO (%)</u>	> 99.95
<u>Rare Earth Impurities (%):</u>	
La <sub>2</sub> O <sub>3</sub>	<0.01
CeO <sub>2</sub>	<0.01
Pr <sub>6</sub> O <sub>11</sub>	<0.01
Nd <sub>2</sub> O <sub>3</sub>	<0.01
Sm <sub>2</sub> O <sub>3</sub>	<0.01
Eu <sub>2</sub> O <sub>3</sub>	<0.01
Gd <sub>2</sub> O <sub>3</sub>	<0.01
Tb <sub>4</sub> O <sub>7</sub>	<0.01
Ho <sub>2</sub> O <sub>3</sub>	<0.01
Er <sub>2</sub> O <sub>3</sub>	<0.01
Tm <sub>2</sub> O <sub>3</sub>	<0.01
Yb <sub>2</sub> O <sub>3</sub>	<0.01
Lu <sub>2</sub> O <sub>3</sub>	<0.01
Y <sub>2</sub> O <sub>3</sub>	<0.01
<u>Non-Rare Earth Impurities (%):</u>	
Fe <sub>2</sub> O <sub>3</sub>	0.0005
CaO	0.0015
SiO <sub>2</sub>	0.0043
Cl	0.01
L.O.I	0.38

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