

Certificate of Analysis

Product Name: Yttrium Oxide (Y₂O₃) Powder
Purity: 99.99% (REO)
Lot Number: OX39-SAM-HW-6
Date: 10/26/2023

Test Result

TREO (%)	> 99
Y ₂ O ₃ /TREO (%)	> 99.999
<u>Rare Earth Impurities (ppm):</u>	
La ₂ O ₃	< 1
CeO ₂	< 1
Pr ₆ O ₁₁	< 1
Nd ₂ O ₃	< 1
Sm ₂ O ₃	< 1
Eu ₂ O ₃	< 1
Gd ₂ O ₃	< 1
Tb ₄ O ₇	< 1
Dy ₂ O ₃	< 1
Ho ₂ O ₃	2
Tm ₂ O ₃	< 0.5
Er ₂ O ₃	< 0.5
Yb ₂ O ₃	< 0.5
Lu ₂ O ₃	< 0.5
<u>Non-Rare Earth Impurities (ppm):</u>	
Fe ₂ O ₃	<1.0
CaO	6.0
SiO ₂	18.0
L.O.I. (%) (1000°C, 1 hour)	< 10.0

Stanford Advanced Materials

By

