

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-05 17:09:18

Date of Next Testing: 2028-03-04 17:09:18

Product Name: **Yttrium oxide**

CAS Number: 1314-36-9

Specifications & Purity: $\leq 40\text{nm}$, 99.5% metals basis

Lot #: B2429590

SKU #: **Y103886**

Analysis: **239142**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Trace Rare Earth Analysis	0-5000 (ppm)	23.00 ppm
Purity(Based On Trace Rare Earth Analysis)	99.5-100 (%)	100.00 %
Particle size	0-40 (nm)	39.92 nm
Appearance (Y103886)	white powder	White powder
ICP: Confirms Yttrium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager