

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-11 11:51:36

Date of Next Testing: 2026-07-10 11:51:36

Product Name: **Yttrium oxide**

CAS Number: 1314-36-9

Specifications & Purity: 99.5%, 40-100nm

Lot #: G2201667

SKU #: **Y419721**

Analysis: **112741**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.5-100 (%)	99.98 %
Trace Rare Earth Analysis	0-5000 (ppm)	168.00 ppm
Average particle size	40-100 (nm)	65.48 nm
Y(Compleximetric EDTA)	77.6-79.9 (%)	77.61 %
Appearance(Y419721)	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