

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-12 14:42:19

Date of Next Testing: 2027-05-11 14:42:19

Product Name: **Yttrium oxide**

CAS Number: 1314-36-9(Isopropanol)

Specifications & Purity: nanopowder,10 wt. % in isopropanol,<100 nm,99.9% metals basis

Lot #: E2309053

SKU #: **Y128342**

Analysis: **050445**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	100.00 %
Trace Rare Earth Analysis	0-1000 (ppm)	43.00 ppm
Particle size	0-100 (nm)	70.17 nm
Solid Content	9-11 (%)	10.98 %
Appearance (Y128342)	White liquid	White liquid
ICP: Confirms Yttrium Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager