

Certificate of Analysis

Date of Testing: 2023-04-03 13:08:33

Date of Next Testing: 2027-04-02 13:08:33

Product Name: **Yttrium oxide**

CAS Number: 1314-36-9

Specifications & Purity: $\geq 99.5\%$, 40-100nm

Lot #: C23241521

SKU #: **Y419721**

Version: **1**

Analysis #: **190847**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.5-100 (%)	100.00 %
Trace Rare Earth Analysis	0-5000 (ppm)	31.00 ppm
Average particle size	40-100 (nm)	58.50 nm
Y(Complexiometric EDTA)	77.6-79.9 (%)	77.81 %
Appearance(Y419721)	white powder	White powder
ICP: Confirms Yttrium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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QA & QC Manager