

## Certificate of Analysis

Date of Testing: 2024-02-02 09:30:51

Date of Next Testing: 2028-02-01 09:30:51

Product Name: **Yttrium nitrate hexahydrate**

CAS Number: 13494-98-9

Specifications & Purity: 99.9% metals basis

Lot #: A2431034

SKU #: **Y106053**

**Analysis:** **319813**

Storage Temperature: Desiccated

| Parameter                                         | Limit Values                    | Result                          |
|---------------------------------------------------|---------------------------------|---------------------------------|
| Y(Complexiometric EDTA)                           | 22.9-25.8 (%)                   | 23.96 %                         |
| Water by Karl Fischer                             | 26-29 (%)                       | 27.79 %                         |
| Purity(Based On Trace Rare Earth Analysis of ICP) | 99.9-100 (%)                    | 99.99 %                         |
| Trace Rare Earth Analysis                         | 0-2000 (ppm)                    | 62.00 ppm                       |
| Appearance (Y106053)                              | white crystal or crystal powder | white crystal or crystal 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