

## Certificate of Analysis

Date of Testing: 2023-04-18 12:01:08  
Date of Next Testing: 2027-04-17 12:01:08  
Product Name: **Ammonium ceric nitrate**  
CAS Number: 16774-21-3  
Specifications & Purity:  $\geq 99.99\%$  metals basis  
Lot #: D2311130  
SKU #: **A105053**  
**Analysis:** **203466**  
Storage Temperature: Argon charged

| Parameter                                  | Limit Values                          | Result                                |
|--|---------------------------------------|---------------------------------------|
| Purity(Based On Trace Rare Earth Analysis) | 99.99-100 (%)                         | 100.00 %                              |
| Trace Metal Analysis                       | 0-100 (ppm)                           | 25.00 ppm                             |
| Ce By Titration with Dichromate            | 25-26.1 (%)                           | 25.11 %                               |
| Appearance (A105053)                       | Orange Powder, Crystals and/or Chunks | Orange Powder, Crystals and/or Chunks |
| ICP: Confirms Cerium Component             | Confirmed                             | Confirmed                             |
| X-Ray Diffraction                          | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager