

**CERTIFICATE OF ANALYSIS**

#71Ga/2

Name of Preparation: <sup>71</sup>Ga  
Country of Destination: United States of America  
Consignee: Jefferson Lab

**CHARACTERISTICS OF ISOTOPE-ENRICHED PRODUCT**

1. Weight of enriched isotope:

Compound weight: 267.6 mg

Element weight: 200.0 mg

Form: Ga<sub>2</sub>O<sub>3</sub> (Oxide)

2. Isotopic composition:

|                |      |       |
|----------------|------|-------|
| Isotope        | 69   | 71    |
| Enrichment (%) | 1.22 | 98.78 |

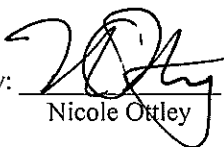
3. Chemical Purity:

| Element    | Symbol | Impurity Measurement(ppm) |
|------------|--------|---------------------------|
| Silver     | Ag     | 20                        |
| Aluminum   | Al     | 0.30%                     |
| Barium     | Ba     | 100                       |
| Bismuth    | Bi     | <50                       |
| Calcium    | Ca     | 500                       |
| Cadmium    | Cd     | <50                       |
| Chromium   | Cr     | 500                       |
| Copper     | Cu     | 500                       |
| Iron       | Fe     | 500                       |
| Indium     | In     | <10                       |
| Magnesium  | Mg     | 500                       |
| Manganese  | Mn     | 20                        |
| Molybdenum | Mo     | 20                        |
| Sodium     | Na     | 0.10%                     |

| Element   | Symbol | Impurity Measurement(ppm) |
|-----------|--------|---------------------------|
| Nickel    | Ni     | 500                       |
| Lead      | Pb     | 100                       |
| Platinum  | Pt     | <200                      |
| Antimony  | Sb     | <200                      |
| Silicon   | Si     | 0.50%                     |
| Tin       | Sn     | 300                       |
| Strontium | Sr     | 20                        |
| Titanium  | Ti     | <20                       |
| Thallium  | Tl     | <100                      |
| Vanadium  | V      | 50                        |
| Tungsten  | W      | <200                      |
| Zinc      | Zn     | 300                       |
| Zirconium | Zr     | 100                       |

4. Analytical method: ICP-MS

Verified and signed by:

  
Nicole Ottley

Date: September 8, 2020

Please note: This material is not approved for use in humans