

## Certificate of Analysis

|               |                      |
|---------------|----------------------|
| Product Name  | Hafnium oxide, 99.9% |
| Glentham Code | GX7878               |
| CAS Number    | 12055-23-1           |
| Batch Number  | 469KZF               |

|                   |                  |
|-------------------|------------------|
| Molecular Weight  | 210.49           |
| Molecular Formula | HfO <sub>2</sub> |
| Storage Temp.     | +20°C            |



| Property             | Specification          | Batch 469KZF |
|----------------------|------------------------|--------------|
| Physical Description | White powder           | White powder |
| Zirconium (Zr)       | ≤ 0.5%                 | 0.3%         |
| Purity               | ≥ 99.9% (excluding Zr) | Entspricht   |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2023-05-08 |
| Re-Test Date          | 2030-05-05 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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