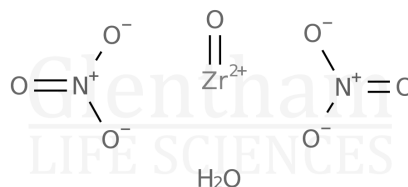


## Certificate of Analysis

|                   |   |
|-------------------|---|
| Product Name      | Zirconium dinitrate oxide hydrate, 99%                |
| Glentham Code     | GX4751  |
| CAS Number        | 14985-18-3  |
| MDL Number        | MFCD00149896  |
| Batch Number      | 216PTK  |
| Molecular Weight  | 231.23  |
| Molecular Formula | $\text{ZrO}(\text{NO}_3)_2 \cdot x\text{H}_2\text{O}$ |
| Storage Temp.     | +20°C   |



| Property                 | Specification                       | Batch 216PTK |
|--------------------------|-------------------------------------|--------------|
| Physical Description     | White powder, crystals or chunks    | White chunks |
| Zirconium dioxide (ZrO2) | Reported                            | 35.7%        |
| Degree of Hydration      | Reported                            | 6.3          |
| Hafnium (Hf)             | ≤ 4%                                | Conforms     |
| Purity                   | ≥ 99% (trace metals basis, exc. Hf) | 100%         |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2021-11-03 |
| Re-Test Date          | 2029-12-02 |

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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