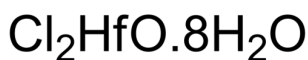


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	Hafnium(IV) dichloride oxide octahydrate,purity98%
<b>Cat. No.:</b>	1441859
<b>CAS No.:</b>	14456-34-9
<b>Molecular Formula:</b>	Cl <sub>2</sub> HfO <sub>8</sub> H <sub>2</sub> O
<b>Molecular Weight:</b>	409.51
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf1105180137
<b>Storage:</b>	Store at room temperature, keep dry and cool
<b>Mfg. Date:</b>	2022-11-05
<b>Retest Date:</b>	2025-11-04
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	White to off-white (Solid)
<b>Purity:</b>	≥98.0%
<b>HfO<sub>2</sub>:</b>	47.69%
<b>ZrO<sub>2</sub>:</b>	0.1560%
<b>Fe<sub>2</sub>O<sub>3</sub>:</b>	0.0023%
<b>CaO:</b>	<0.0010%
<b>MgO:</b>	<0.0010%
<b>Na<sub>2</sub>O:</b>	<0.0010%
<b>Nb<sub>2</sub>O<sub>5</sub>:</b>	<0.0010%
<b>SiO<sub>2</sub>:</b>	<0.0010%
<b>TiO<sub>2</sub>:</b>	<0.0010%

**Conclusion:** The product has been tested and complies with the given specifications.

**Caution:** Research use only and are not intended for human use.

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