



**EREZTECH LLC**

11555 Medlock Bridge Road, Suite 100, Johns Creek, GA 30097, USA

T: +1.888.658.1221 F: +1.678.619.2020

E: [info@ereztech.com](mailto:info@ereztech.com) W: <http://ereztech.com>

## Certificate of analysis

### Reference #: 2020018-015/833

Manufacturing date: **Mar/19/2020**

Analysis date: **Mar/23/2020**

|              |  |                   |   |        |                                  |
|--------------|--|-------------------|---|--------|----------------------------------|
| Product name | <b>Tetrakis(1-methoxy-2-methyl-2-propoxy)hafnium, Hf(mmp)4</b> |                   |   |        |                                  |
| Ereztech #   | <b>HF5488</b>  | CAS#              | <b>309915-48-8</b>                            | Purity | <b>99.22% by integration NMR</b> |
| Lot/batch #  | <b>015/833</b>   | Net weight/volume | <b>100g</b>                                   | Seal # | <b>N/A</b>                       |
| Packaging    | <b>1 glass ampule</b>  | Storage           | <b>Moisture sensitive. Shelf life 1 year.</b> |        |                                  |
| CofO         | <b>Russia</b>  |                   |   |        |                                  |

|                    |                              |
|--------------------|------------------------------|
| Analytical results |                              |
| Appearance         | <b>Yellow oily liquid</b>    |
| Purity             | <b>99.22%</b>                |
| NMR H1             | <b>Conforms to structure</b> |