



Certificate of analysis

Reference #: 2019014-015/772

Manufacturing date: **03/12/19**

Analysis date: **03/15/19**

Product name	Hafnium tert-butoxide (99,9 % - Hf, <1 % - Zr)				
Ereztech #	HF2023	CAS#	2172-02-3	Purity	99.0% by integration NMR
Lot/batch #	015/772	Net weight/volume	60g	Seal #	N/A
Packaging	12 glass ampules x 5g	Storage	Moisture sensitive. Shelf life 3 years.		
CofO	Russia				

Analytical results					
Appearance	Colorless liquid				
NMR H1	Conforms to structure				
Purity	99.0%				
ICP	99.9%				
Impurity weight, ppm	Al	40	Cu	15	
	Co	10	Mn	10	
	Mo	10	Ni	20	
	Nb	12	Sn	30	
	Ca	30	Cr	30	
	Mg	10	Fe	45	