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Certificate of analysis Reference #: 2019065-015/804

Manufacturing date: 10/28/19
Analysis date: 10/30/19

Product name	Hafnium(IV) 2,4-pentanedionate, 98% (99.5% - Hf)							
Ereztech #	HF5671		CAS#	17475-67-1	Purity	98.3% by elemental analysis		
Lot/batch #	015/804	Net weight,	/volume	100g	Seal #	N/A		
Packaging	1 plastic can	Storage	Shelf life 3 years.					
CofO	Russia	•						

Analytical results								
Appearance	White xtls							
Purity	98.3% by elemental analysis							
NMR H1	Conforms to structure							
Elemental analysis	% C = 41.07; % H = 4.83 %							
ICP	97.99%							
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				