

# HANGZHOU OCEAN CHEMICAL CO., LTD

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## CERTIFICATE OF ANALYSIS

Product Name	Terbium Hydride(TbH <sub>2</sub> )	Batch No	20191025
CAS NO	13598-54-4	Quantity	10kg

### TEST RESULTS

Item	TRE		Tb/TRE		Particle Analysis		XRD
Spec.	Min 99.5%		Min 99.95%		200mesh (Max 100μm)		Compare with reference All peaks must be same.
Results	<b>99.911%</b>		<b>99.979%</b>		<b>94.89</b>		<b>Refer attached report</b>
Test method	ICP-OES		ICP-MS		Easysizer20		Ultima IV
Test Data	Element	content (μg/g)	Element	content (μg/g)	Item	Size(μm)	Report No.
	Si	222.37	La	6.67	Mean : D(4,3)	25.25	XRD-20191025-10kg
	Ca	205.83	Ce	23.19	Median : D50	21.44	
	Fe	270.99	Pr	5.31	Max : D100	94.89	
	Al	92.06	Nd	43.76			
	Ni	95.62	Sm	1.18			
	Pb	1.94	Eu	0.11			
			Gd	31.08			
			Dy	57.11			
			Ho	20.44			
			Er	5.87			
			Tm	1.31			
			Yb	1.13			
			Lu	1.15			
			Y	9.31			
	Total	888.81	Total	207.62			
Decision	Pass		Pass		Pass		Pass

Attachment : ICP back data, Particle analysis back data, XRD back data