

Certificate of analysis

Ytterbium (III) chloride, REacton, 99.99% (REO)

Stock Number: 11194

Lot Number: 22363

Analysis

Batch Analysis

All concentrations are quoted in parts per million by weight, and the analysis technique employed was d. c. arc emission spectroscopy, unless otherwise denoted below. Unless otherwise stated, the specification (total metallic impurities) relates to impurities as detected.

Elements sought and limits of detection

Below is a list of limits of detection of impurity elements appropriate to the matrix, analytical standards, and methods of analysis used.

Ag	...	Al	<1	As	50	Au	...	B	1	Ba	30
Be	...	Bi	<1	Ce	30	Cd	3	Co	2	Cr	<1
Dy	3	Cu	<1	Er	5	Ga	<1	Ge	<1	Eu	3
In	1	Gd	3	Ho	50	La	10	Lu	3	Mn	<1
Mo	<1	Na	30	Nb	3	Nd	30	Pr	30	P	...
Pb	<1	Pd	...	Pt	...	Rb	...	Re	...	Rh	...
Sc	<1	Sb	1	Si	1	Sm	30	Sr	<1	Ta	10
Tb	30	Y	1	Tl	<1	V	<1	W	10	Zn	30
Zr	1										

Elements detected:

Ca 1 Cr 5 Cu 2 Fe 10 Ni 1 Si 3

Additional Analyses:

Ytterbium: 43.4%

Certified by:



Quality Control

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