



# Rare Earth Element Trace Analysis – Package REE2

*Rare Earth Element Trace Analysis by Lithium Metaborate Fusion on ICP-MS and ICP-OES Finish*

This package offers 20 analytes by ICP-MS and one analyte by ICP-OES.

## Method Summary

An aliquot of sample is fused with lithium metaborate in a graphite crucible. The bead is then dissolved in dilute HNO<sub>3</sub> for analysis by ICP-MS and ICP-OES.

Quality control measures applied include the preparation and analysis of three standards, a replicate and a blank.

## Detection Limits

Element	Symbol	Detection Limit	Element	Symbol	Detection Limit
Cerium	Ce	1 ppm	Samarium	Sm	0.01 ppm
Dysprosium	Dy	0.01 ppm	Scandium*	Sc	1 ppm
Erbium	Er	0.01 ppm	Tantalum	Ta	0.01 ppm
Europium	Eu	0.01 ppm	Terbium	Tb	0.01 ppm
Gadolinium	Gd	0.01 ppm	Thorium	Th	0.01 ppm
Holmium	Ho	0.01 ppm	Thallium	Tl	0.01 ppm
Lanthanum	La	1 ppm	Thulium	Tm	0.01 ppm
Lutetium	Lu	0.01 ppm	Uranium	U	0.01 ppm
Niobium	Nb	1 ppm	Ytterbium	Yb	0.01 ppm
Neodymium	Nd	0.1 ppm	Yttrium	Y	0.01 ppm
Praseodymium	Pr	0.01 ppm			

**REE2 \$52.50 per sample\*\***

**\*ICP-OES finish**

**\*\*Sample Prep extra**



## CONTACT

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