



Certificate of Analysis

No. CA 13173

Product: Eichrom's Sr Resin

Lot #: SRF101813

Eichrom's Sr Resin Lot # SRF101813 has been manufactured according to Eichrom's standard operating procedures. This lot has been tested in accordance with Eichrom's quality assurance policy and procedures. This lot of product meets all Eichrom quality specifications.

ANALYSIS RESULTS

| <u>Test Value</u> | <u>Specification</u> | <u>Result</u> |
|---|----------------------|---------------|
| Appearance | White beads | Pass |
| Distribution Ratio, Sr in 3.1 N nitric acid | ≥ 100 | 134.1 |
| % Gravimetric Recovery | ≤ 105 | 98.3 |
| % Chemical Recovery, Corrected | 90-110 | 98.8 |
| % Sr stripped in 0.05M HNO ₃ | | |
| Least acceptable mean (5 rep) | 85.0 | 93.9 |
| Max. standard deviation | 2.5 | 1.3 |
| %Ca stripped in 0.05M HNO ₃ | | |
| Maximum acceptable mean (5 rep) | 0.15 | 0.00 |
| Max. standard deviation | 0.05 | 0.00 |
| %Ba stripped in 0.05M HNO ₃ | | |
| Maximum acceptable mean (5 rep) | 0.25 | 0.08 |
| Max. standard deviation | 0.10 | 0.04 |
| %Y stripped in 0.05M HNO ₃ | | |
| Maximum acceptable mean (5 rep) | 0.15 | 0.0 |
| Max. standard deviation | 0.05 | 0.0 |
| %Y in 8M HNO ₃ load and rinse | | |
| Least acceptable mean (5 rep) | 99.0 | 100.0 |
| Max. standard deviation | 2.5 | 0.0 |

Sarah Tejehma
QC Manager

23 Oct 13

October 23, 2013