

## Certificate of Analysis

No. CA08245

Product: Eichrom's Sr Resin cartridges

Lot #: SRSR8G

Eichrom's Sr Resin cartridge Lot # SRSR8G has been manufactured according to Eichrom's standard operating procedures. The resin used to manufacture 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 | $\geq 100$           | 110           |
| % Gravimetric Recovery                      | $\leq 105$           | 102.7         |
| % Chemical Recovery, Corrected              | 90-110               | 95.8          |
| % Sr stripped in 0.05M HNO <sub>3</sub>     |                      |               |
| Least acceptable mean (5 rep)               | 85.0                 | 95.5          |
| Max. standard deviation                     | 2.5                  | 2.2           |
| %Ca stripped in 0.05M HNO <sub>3</sub>      |                      |               |
| Maximum acceptable mean (5 rep)             | 0.15                 | 0.00          |
| Max. standard deviation                     | 0.05                 | 0.00          |
| %Ba stripped in 0.05M HNO <sub>3</sub>      |                      |               |
| Maximum acceptable mean (5 rep)             | 0.25                 | 0.00          |
| Max. standard deviation                     | 0.10                 | 0.00          |
| %Y stripped in 0.05M HNO <sub>3</sub>       |                      |               |
| Maximum acceptable mean (5 rep)             | 0.15                 | 0.00          |
| Max. standard deviation                     | 0.05                 | 0.00          |
| %Y in 8M HNO <sub>3</sub> load and rinse    |                      |               |
| Least acceptable mean (5 rep)               | 99.0                 | 100.0         |
| Max. standard deviation                     | 2.5                  | 0.00          |

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Quality System Coordinator



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