

## Certificate of Analysis

No. CA 22029

Product: Eichrom's Sr Resin Cartridges  
Lot #: SRSR22A  
Date of Manufacture: 7-FEB-2022

Eichrom's Sr Resin cartridge Lot SRSR22A has been manufactured according to Eichrom's standard operating procedures. The resin used to manufacture this lot, SRS112921, 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 | $\geq 100$           | 129.7         |
| % Sr stripped in 0.05M HNO <sub>3</sub>     |                      |               |
| Least acceptable mean (5 rep)               | 85.0                 | 93.4          |
| Max. standard deviation                     | 2.5                  | 0.5           |
| %Ca stripped in 0.05M HNO <sub>3</sub>      |                      |               |
| Maximum acceptable mean (5 rep)             | 0.15                 | 0.00          |
| Max. standard deviation                     | 0.05                 | 0.02          |
| %Ba stripped in 0.05M HNO <sub>3</sub>      |                      |               |
| Maximum acceptable mean (5 rep)             | 0.75                 | 0.16          |
| 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                 | 100.3         |
| Max. standard deviation                     | 2.5                  | 0.0           |

Jill Bryant  
Quality System Coordinator

*Jill Bryant*

February 7, 2022