

**Certificate of Analysis**  
**No. CA12080**

Product: Eichrom's TRU Resin  
Lot #: TRA050112

Eichrom's TRU Resin Lot # TRA050112 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, Eu in 3.1 N nitric acid                                    | $\geq 60$            | 87.5          |
| % $^{241}\text{Am}$ stripped in 4M HCl                                         |                      |               |
| Least acceptable mean (4 rep)                                                  | 95.0                 | 99.5          |
| Max. standard deviation                                                        | 2.5                  | 0.1           |
| % $^{241}\text{Am}$ stripped in 0.1M ammonium bioxalate                        |                      |               |
| Maximum acceptable mean (4 rep)                                                | 1.0                  | 0.4           |
| Max. standard deviation                                                        | 0.5                  | 0.0           |
| % $^{239}\text{Pu}$ stripped in 0.1M ammonium bioxalate                        |                      |               |
| Least acceptable mean (4 rep)                                                  | 95.0                 | 97.6          |
| Max. standard deviation                                                        | 2.5                  | 0.2           |
| % $^{239}\text{Pu}$ stripped in 4M HCl                                         |                      |               |
| Maximum acceptable mean (4 rep)                                                | 1.0                  | 0.2           |
| Max. standard deviation                                                        | 0.5                  | 0.2           |
| Extractant distribution ratio, $^{241}\text{Am}$ strip in 0.05M $\text{HNO}_3$ | $<0.50$              | 0.3           |



Sarah Teichma  
Quality Supervisor

5-10-12

May 10, 2012