

## Certificate of Analysis No. CA09012

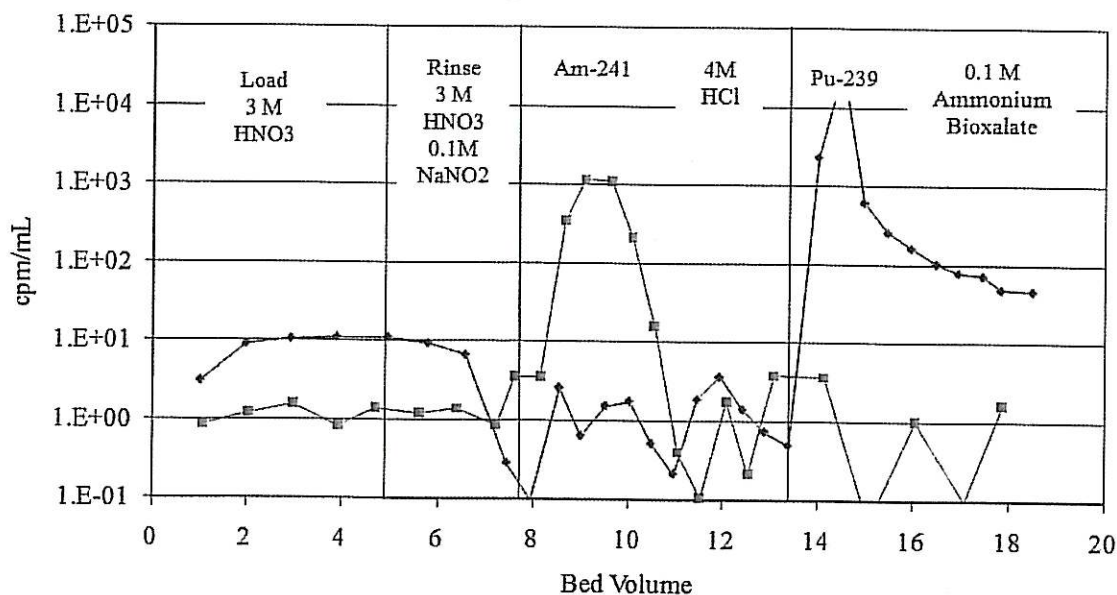
Product: Eichrom's TRU Resin cartridges  
Lot #: TRSR09A

Eichrom's TRU Resin cartridge Lot # TRSR09A 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

| Test Value                                                                     | Specification | Result |
|--------------------------------------------------------------------------------|---------------|--------|
| Appearance                                                                     | White beads   | Pass   |
| Distribution Ratio, Eu in 3.1 N nitric acid                                    | $\geq 60$     | 93     |
| % $^{241}\text{Am}$ stripped in 4M HCl                                         |               |        |
| Least acceptable mean (5 rep)                                                  | 95.0          | 99.0   |
| Max. standard deviation                                                        | 2.5           | 0.5    |
| % $^{241}\text{Am}$ stripped in 0.1M ammonium bioxalate                        |               |        |
| Maximum acceptable mean (5 rep)                                                | 1.0           | 0.5    |
| Max. standard deviation                                                        | 0.5           | 0.2    |
| % $^{239}\text{Pu}$ stripped in 0.1M ammonium bioxalate                        |               |        |
| Least acceptable mean (5 rep)                                                  | 95.0          | 97.0   |
| Max. standard deviation                                                        | 2.5           | 0.6    |
| % $^{239}\text{Pu}$ stripped in 4M HCl                                         |               |        |
| Maximum acceptable mean (5 rep)                                                | 1.0           | 0.0    |
| Max. standard deviation                                                        | 0.5           | 0.0    |
| Extractant distribution ratio, $^{241}\text{Am}$ strip in 0.05M $\text{HNO}_3$ | $<0.50$       | 0.36   |

TRU Resin Elution Curve



Jill Bryant

Quality System Coordinator

February 17, 2009