

**Certificate of Analysis**  
No. CA13014

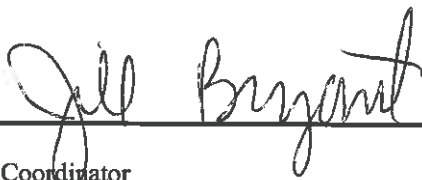
Product: Eichrom's TRU Resin cartridges  
Lot #: TRSR13A

Eichrom's TRU Resin cartridge Lot # TRSR13A 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, Eu in 3.1 N nitric acid                                      | ≥ 60                 | 90.2          |
| % <sup>241</sup> Am stripped in 4M HCl                                           |                      |               |
| Least acceptable mean (4 rep)                                                    | 95.0                 | 99.6          |
| Max. standard deviation                                                          | 2.5                  | 0.2           |
| % <sup>241</sup> Am stripped in 0.1M ammonium bioxalate                          |                      |               |
| Maximum acceptable mean (4 rep)                                                  | 1.0                  | 0.2           |
| Max. standard deviation                                                          | 0.5                  | 0.0           |
| % <sup>239</sup> Pu stripped in 0.1M ammonium bioxalate                          |                      |               |
| Least acceptable mean (4 rep)                                                    | 95.0                 | 97.3          |
| Max. standard deviation                                                          | 2.5                  | 0.8           |
| % <sup>239</sup> Pu stripped in 4M HCl                                           |                      |               |
| Maximum acceptable mean (4 rep)                                                  | 1.0                  | 0.23          |
| Max. standard deviation                                                          | 0.5                  | 0.1           |
| Extractant distribution ratio, <sup>241</sup> Am strip in 0.05M HNO <sub>3</sub> | <0.50                | 0.20          |

Jill Bryant  
Quality System Coordinator



February 18, 2013