

**Certificate of Analysis**  
No. CA12012

Product: Eichrom's TEVA Resin cartridges  
Lot #: TESR12A

Eichrom's TEVA Resin Lot # TESR12A 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, 3.0 N nitric acid                                   | >200                 | 544           |
| % <sup>230</sup> Th stripped in 6M HCl                                  |                      |               |
| Least acceptable mean (4 rep)   | 93.0                 | 99.6          |
| Max. standard deviation   | 2.5                  | 0.2           |
| % <sup>230</sup> Th stripped in 0.02M HCl + 0.02M HF                    |                      |               |
| Maximum acceptable mean (4 rep)   | 2.0                  | 0.4           |
| Max. standard deviation   | 1.5                  | 0.2           |
| % <sup>239</sup> Pu stripped in 0.02M HCl + 0.02M HF                    |                      |               |
| Least acceptable mean (4 rep)   | 90.0                 | 98.2          |
| Max. standard deviation   | 2.5                  | 1.7           |
| % <sup>239</sup> Pu stripped in 6M HCl                                  |                      |               |
| Maximum acceptable mean (4 rep)   | 1.0                  | 0.0           |
| Max. standard deviation   | 0.5                  | 0.1           |
| Extractant distribution ratio, <sup>230</sup> Th in 3M HNO <sub>3</sub> | >210                 | 267           |
| Extractant distribution ratio, <sup>230</sup> Th in 6M HCl              | <0.01                | 0.002         |

Jill Bryant  
Quality System Coordinator

*Jill Bryant*

January 20, 2012