

Product: Eichrom's TRU Resin

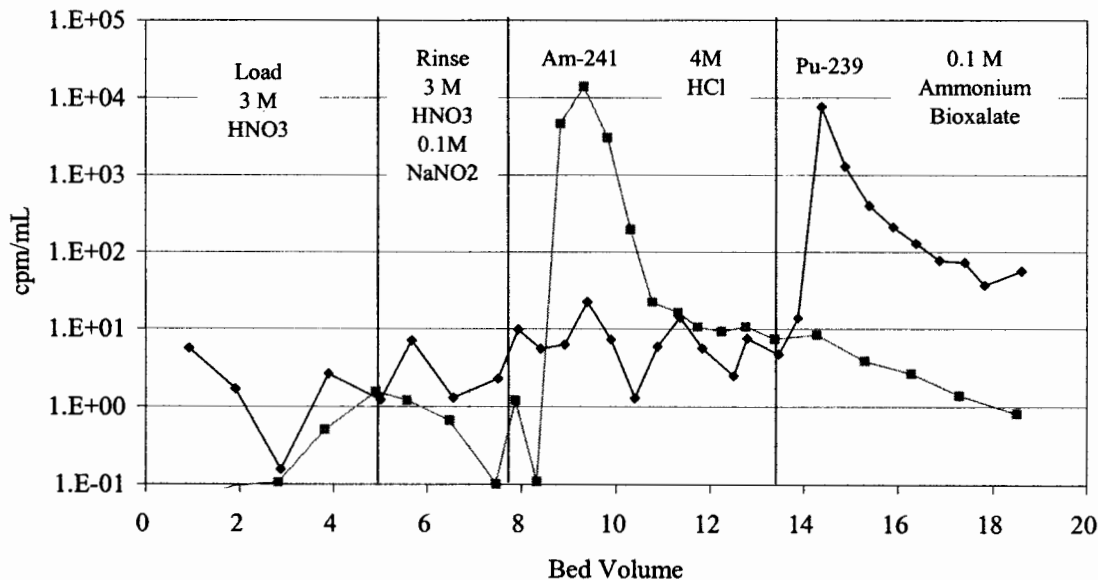
Lot #: TRS10205

Eichrom's TRU Resin Lot # TRS10205 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

| Test Value | Specification | Result |
|--|---------------|--------|
| Appearance | White beads | Pass |
| Distribution Ratio, Eu in 3.1 N nitric acid | ≥ 60 | 99 |
| % ²⁴¹ Am stripped in 4M HCl | | |
| Least acceptable mean (5 rep) | 95.0 | 99.5 |
| Max. standard deviation | 2.5 | 0.2 |
| % ²⁴¹ Am stripped in 0.1M ammonium bioxalate | | |
| Maximum acceptable mean (5 rep) | 1.0 | 0.2 |
| Max. standard deviation | 0.5 | 0.3 |
| % ²³⁹ Pu stripped in 0.1M ammonium bioxalate | | |
| Least acceptable mean (5 rep) | 95.0 | 96.8 |
| Max. standard deviation | 2.5 | 2.3 |
| % ²³⁹ Pu stripped in 4M HCl | | |
| Maximum acceptable mean (5 rep) | 1.0 | 0.2 |
| Max. standard deviation | 0.5 | 0.3 |
| Extractant distribution ratio, ²⁴¹ Am strip in 0.05M HNO ₃ | <0.50 | 0.24 |

TRU Resin Elution Curve



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Prepared: December 22, 2005