

Certificate of Analysis
No. CA12065

Product: Eichrom's TEVA Resin
Lot #: TEA040512

Eichrom's TEVA Resin Lot # TEA040512 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, 3.0 N nitric acid | >200 | 508 |
| % ²³⁰ Th stripped in 6M HCl | | |
| Least acceptable mean (4 rep) | 93.0 | 99.6 |
| Max. standard deviation | 2.5 | 0.2 |
| % ²³⁰ Th stripped in 0.02M HCl + 0.02M HF | | |
| Maximum acceptable mean (4 rep) | 2.0 | 0.2 |
| Max. standard deviation | 1.5 | 0.1 |
| % ²³⁹ Pu stripped in 0.02M HCl + 0.02M HF | | |
| Least acceptable mean (4 rep) | 90.0 | 98.2 |
| Max. standard deviation | 2.5 | 0.5 |
| % ²³⁹ Pu stripped in 6M HCl | | |
| Maximum acceptable mean (4 rep) | 1.0 | 0.3 |
| Max. standard deviation | 0.5 | 0.2 |
| Extractant distribution ratio, ²³⁰ Th in 3M HNO ₃ | >210 | 267 |
| Extractant distribution ratio, ²³⁰ Th in 6M HCl | <0.01 | 0.002 |
| Raw support resin flow rate, mL/min | 0.60-0.80 | 0.70 |


Sarah Teichman
QC Supervisor

4-11-12
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