

Certificate of Analysis
No. CA20109

Product: Eichrom's TRU Resin Cartridges
Lot #: TRSR20F
Date of Manufacture: 9-JUN-2020

Eichrom's TRU Resin cartridge Lot TRSR20F has been manufactured according to Eichrom's standard operating procedures. The resin used to manufacture this lot, TRS051820, 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 | 96.5 |
| % ^{241}Am stripped in 4M HCl | | |
| Least acceptable mean (4 rep) | 95.0 | 99.8 |
| Max. standard deviation | 2.5 | 0.2 |
| % ^{241}Am stripped in 0.1M ammonium bioxalate | | |
| Maximum acceptable mean (4 rep) | 1.0 | 0.2 |
| Max. standard deviation | 0.5 | 0.1 |
| % ^{239}Pu stripped in 0.1M ammonium bioxalate | | |
| Least acceptable mean (4 rep) | 95.0 | 97.4 |
| Max. standard deviation | 2.5 | 0.6 |
| % ^{239}Pu stripped in 4M HCl | | |
| Maximum acceptable mean (4 rep) | 1.0 | 0.2 |
| Max. standard deviation | 0.5 | 0.2 |
| Extractant distribution ratio, ^{241}Am strip in 0.05M HNO_3 | <0.50 | 0.25 |

Jill Bryant
Quality System Coordinator

June 9, 2020