

Certificate of Analysis

No. CA 05132

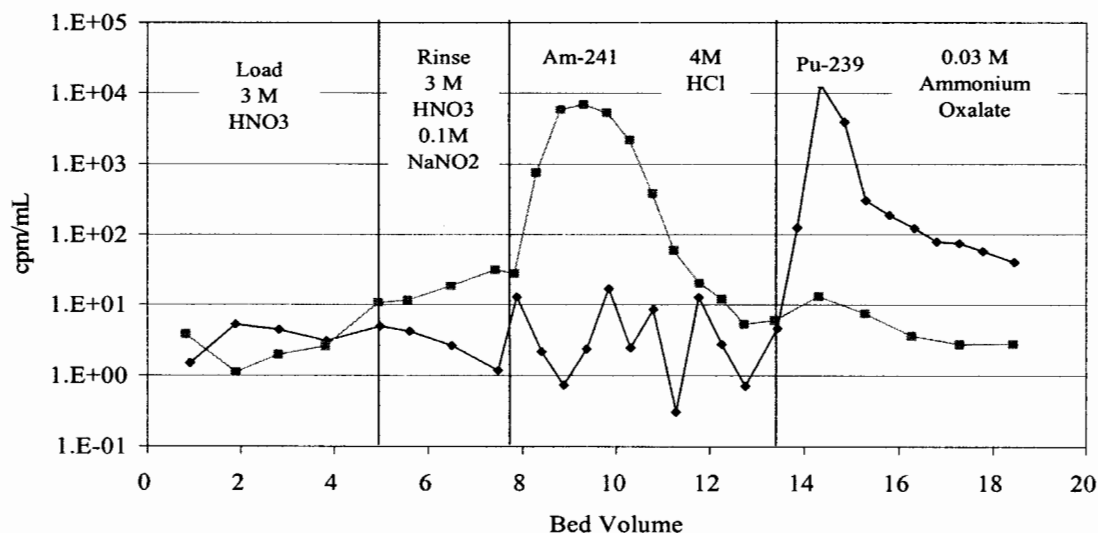
Product: Eichrom's TRU Resin
 Lot #: TRA10075

Eichrom's TRU Resin Lot # TRA10075 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, Eu in 3.1 N nitric acid	≥ 60	82
% ²⁴¹ Am stripped in 4M HCl		
Least acceptable mean (5 rep)	95.0	99.4
Max. standard deviation	2.5	0.2
% ²⁴¹ Am stripped in 0.1M ammonium bioxalate		
Maximum acceptable mean (5 rep)	1.0	0.1
Max. standard deviation	0.5	0.2
% ²³⁹ Pu stripped in 0.1M ammonium bioxalate		
Least acceptable mean (5 rep)	95.0	97.3
Max. standard deviation	2.5	1.4
% ²³⁹ Pu stripped in 4M HCl		
Maximum acceptable mean (5 rep)	1.0	0.1
Max. standard deviation	0.5	0.1
Extractant distribution ratio, ²⁴¹ Am strip in 0.05M HNO ₃	<0.50	0.24
Raw support resin gravity flow rate, mL/min	0.60-0.80	0.71

TRU Resin Elution Curve



Eichrom recommends the use of gravity flow with 100-150µm beads, "A" grade.

Joel Williamson
 Joel Williamson
 Senior Quality Control Chemist

Prepared: December 22, 2005