

Certificate of Analysis No. CA07075

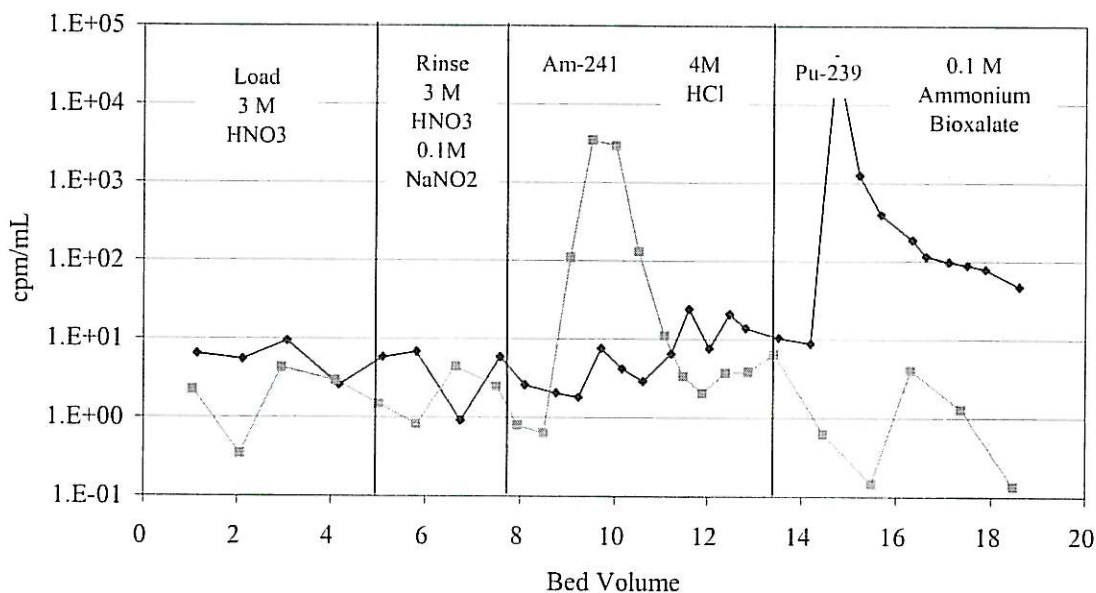
Product: Eichrom's TRU Resin
Lot #: TRA05157

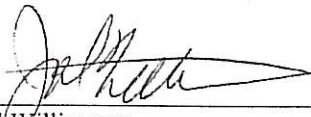
Eichrom's TRU Resin Lot # TRA05157 has been manufactured according to Eichrom's standard operating procedures. This lot has been tested in accordance with Eichrom's quality assurance policy and procedures. This lot of product meets all Eichrom quality specifications.

ANALYSIS RESULTS

Test Value	Specification	Result
Appearance	White beads	Pass
Distribution Ratio, Eu in 3.1 N nitric acid	≥ 60	89
% ^{241}Am stripped in 4M HCl		
Least acceptable mean (5 rep)	95.0	99.8
Max. standard deviation	2.5	0.5
% ^{241}Am stripped in 0.1M ammonium bioxalate		
Maximum acceptable mean (5 rep)	1.0	0.2
Max. standard deviation	0.5	0.2
% ^{239}Pu stripped in 0.1M ammonium bioxalate		
Least acceptable mean (5 rep)	95.0	97.7
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	0.2
Extractant distribution ratio, ^{241}Am strip in 0.05M HNO_3	<0.50	0.25
Raw support resin gravity flow rate, mL/min	0.60-0.80	0.78

TRU Resin Elution Curve




Joel Williamson
Senior Quality Control Chemist

Prepared: June 15, 2007