

Certificate of Analysis

No. CA21211

Product: Eichrom's TRU Resin 1mL Cartridges
Lot #: TRSR21F
Date of Manufacture: 10-SEP-2021

Eichrom's TRU Resin 1mL Cartridge Lot # TRSR21F has been manufactured according to Eichrom's standard operating procedures. The resin used to manufacture this lot, TRS081221, 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	84.6
% ^{241}Am stripped in 4M HCl		
Least acceptable mean (4 rep)	95.0	99.1
Max. standard deviation	2.5	0.4
% ^{241}Am stripped in 0.1M ammonium bioxalate		
Maximum acceptable mean (4 rep)	1.0	0.5
Max. standard deviation	0.5	0.2
% ^{239}Pu stripped in 0.1M ammonium bioxalate		
Least acceptable mean (4 rep)	95.0	97.9
Max. standard deviation	2.5	0.2
% ^{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	0.20

Jill Bryant
Quality System Coordinator

September 10, 2021