

Certificate of Analysis

No. CA20164

Product: Eichrom's TEVA Resin Cartridges
Lot #: TESR20I
Date of Manufacture: 11-SEP-2020

Eichrom's TEVA Resin cartridge Lot # TESR20I has been manufactured according to Eichrom's standard operating procedures. The resin used to manufacture this lot, TES081920, 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	458.3
% ²³⁰ Th stripped in 6M HCl		
Least acceptable mean (4 rep)	93.0	99.4
Max. standard deviation	2.5	0.1
% ²³⁰ Th stripped in 0.02M HCl + 0.02M HF		
Maximum acceptable mean (4 rep)	2.0	0.1
Max. standard deviation	1.5	0.1
% ²³⁹ Pu stripped in 0.02M HCl + 0.02M HF		
Least acceptable mean (4 rep)	90.0	98.8
Max. standard deviation	2.5	1.8
% ²³⁹ Pu stripped in 6M HCl		
Maximum acceptable mean (4 rep)	1.0	0.0
Max. standard deviation	0.5	0.1
Extractant distribution ratio, ²³⁰ Th in 3M HNO ₃	>250	267
Extractant distribution ratio, ²³⁰ Th in 6M HCl	<0.01	0.000

Jill Bryant
Quality System Coordinator

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Eichrom Technologies LLC
1955 University Lane, Lisle, IL 60532, USA
www.eichrom.com

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