

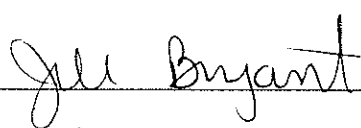
**Certificate of Analysis**  
No. CA15116

Product: Eichrom's UTEVA<sup>®</sup> Resin UT15-C20-S-3PA Columns  
Lot #: UT15C

Eichrom's UTEVA<sup>®</sup> Resin UT15-C20-S-3PA Columns Lot # UT15C has been manufactured according to Eichrom's standard operating procedures. The resin used to manufacture 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, 3.1 N nitric acid                    | >100                 | 183           |
| % <sup>230</sup> Th stripped in 5M HCl/0.05M oxalic acid |                      |               |
| Least acceptable mean (4 rep)                            | 90.0                 | 101.1         |
| Max. standard deviation                                  | 10.0                 | 2.1           |
| % <sup>230</sup> Th stripped in 1M HCl                   |                      |               |
| Maximum acceptable mean (5 rep)                          | 0.5                  | 0.1           |
| Max. standard deviation                                  | 1.0                  | 0.0           |
| % <sup>233</sup> U stripped in 1M HCl                    |                      |               |
| Least acceptable mean (5 rep)                            | 90.0                 | 105.1         |
| Max. standard deviation                                  | 10.0                 | 1.4           |
| % <sup>233</sup> U stripped in 5M HCl/0.05M oxalic acid  |                      |               |
| Maximum acceptable mean (5 rep)                          | 1.0                  | 0.18          |
| Max. standard deviation                                  | 1.0                  | 0.0           |

  
Jill Bryant  
Quality System Coordinator

June 23, 2015