

Certificate of Analysis
No. 17126

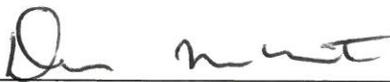
Product: Eichrom's ABEC-2000 Resin, 2% cross-linked styrene divinylbenzene resin
 Lot #: 080117ABEC-M
 Date of Manufacture: July 2017

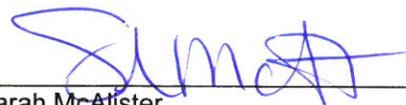
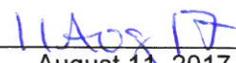
Eichrom's ABEC Resin Lot # 080117ABEC-M has been manufactured according to Eichrom's standard operating procedures. This lot has been tested in accordance with Eichrom's quality assurance policy and procedures. This lot of product meets all Eichrom quality specifications.

Procedure PRD-0204, Rev. 2.0, has been utilized to condition the resin and remove fine-sized particles generated from the process.

ANALYSIS RESULTS

| <u>Test Value</u> | <u>Specification</u> | <u>Result</u> |
|-------------------------------------|----------------------|---------------|
| Appearance | Pale Yellow beads | Pass |
| Bead Size (%) | | |
| < 125µm | < 5 | 0.1 |
| > 250µm | < 15 | 0.7 |
| 125 - 250µm | > 80 | 99.3 |
| Distribution Ratio Tc-99, 4.0 M KOH | >300 | 371 |
| Distribution Ratio Tc-99, 6.0 M KOH | >800 | 1585 |
| Distribution Ratio Tc-99, 8.0 M KOH | >600 | 2167 |
| Percent Solids (%) | ≥40 | 45.9 |
| Shrink-Swell (%) | ≤15 | 2.2 |


 Daniel McAlister
 Senior Chemist (Performed PRD-0204: ABEC Resin Conditioning) August 11, 2017


 Sarah McAlister
 Quality Manager 
August 11, 2017