

Certificate of Analysis



YSI Incorporated

Yellow Springs Instrument Co., Yellow Springs, Ohio 45387 USA

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Product Category Bioanalytical Standard
Product Model Number 2736
Lot Number 19E100921
Method Comparative enzymatic testing of Production standard vs Metrology standard

| Chemistry Tested | Determination | Tolerance | Result |
|------------------|---|-------------------|-------------|
| Glutamine | (Average of Production)-(Average of Metrology) | ± 0.10 mmol/L | 0.07 mmol/L |
| | Coefficient of variation for production standard (CV,%) | $\leq 2.0\%$ | 1.1 % |

Conforms to acceptance criteria

Completed by: Lucas Stover

Date: 6/6/2019

The procedures used to manufacture and test this product have been verified by QA for GMP compliance.



A handwritten signature in blue ink, appearing to read 'Lisa M. Abel'.

Lisa M. Abel
Director of Quality