Certificate of Analysis

YSI Incorporated

YSI

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

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| Product Category | | | |
|----------------------|--|--|--|
| Product Model Number | | | |
| Lot Number | | | |
| Method | | | |

Bioanalytical Standard 2736 18L100607 Comparative enzymatic testing of Production standard vs Metrology standard

| Chemistry Tested | Determination | Tolerance | Result |
|------------------|----------------------------------|-------------|-------------|
| Glutamine | (Average of Production)-(Average | ±0.10mmol/L | 0.03 mmol/L |
| | of Metrology) | | |
| | Coefficient of variation for | ≤2.0% | 0.5 % |
| | production standard (CV,%) | ≤2.0% | |

Conforms to acceptance criteria

Completed by:

Kristin Stover

Date: 12/6/2018

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



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Lisa M. Abel Director of Quality