Certificate of Analysis



YSI Incorporated

Yellow Springs Instrument Co., Yellow Springs, Ohio 45387 USA Phone 937 767-7241•800 765-4974•Fax 937 767-9353

Product Category Bioanalytical Standard

Product Model Number 2737

Lot Number 18L100608

Method Comparative enzymatic testing of Production standard vs

Metrology standard

| Chemistry Tested | Determination | Tolerance | Result |
|------------------|----------------------------------|-------------|-------------|
| Glutamine | (Average of Production)-(Average | ±0.10mmol/L | 0.07 mmol/L |
| | of Metrology) | | |
| | Coefficient of variation for | ≤2.0% | 0.4 % |
| | production standard (CV,%) | | |

| Conforms to acceptance criteria | | | | | |
|---------------------------------|----------------|-------|-----------|--|--|
| Completed by: | Kristin Stover | Date: | 12/5/2018 | | |

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



Lisa M. Abel Director of Quality

mullel