



# CERTIFICATE OF ANALYSIS

## Lithium Eluant for Amino Acid Analysis

1700-1125

**Product:** Lithium Eluant for Amino Acid Analysis

**Part Number:** 1700-1125

**Lot Number:** 012025

**Test Start Date:** 16 DEC 2016

**Expiration Date:** \_\_\_\_\_

**Primary Application:** Lithium-based amino acid analysis.

### Acceptance Criteria:

### Actual Values

1. pH = $2.80 \pm 0.01$ @ $25 \pm 0.4$ °C	<u>2.806</u>
2. Resolution:	
• Threonine/Serine $\geq 80\%$	<u>✓</u>
• Asparagine/ Glutamic Acid $\geq 30\%$	<u>✓</u>
• Glycine, Alanine, Citrulline $\geq 90\%$	<u>✓</u>
3. Elution time:	
• L-aspartic acid = $6.0 \pm 0.3$ min.	<u>✓</u>
4. Baseline: no peaks (Y/N)	<u>✓</u>
5. Conductivity: 7.82 –7.85 mS	<u>7.83</u>

### Calibration Standard:

Lithium Calibration Standard, PN 1700-0170 LN 001047

**Storage Conditions:** Dry at 8 to 25 °C

Analysis Certified by: *Jim Murphy* Date: 18 JAN 2011  
VP OPR  
Title

Rev. 9, 8/11/08

**ACCEPTED**  
PICKERING LABORATORIES, INC.  
QUALITY ASSURANCE