



# CERTIFICATE OF ANALYSIS

## Amino Acid Test Mixture

1700-0070

**Product:** Amino Acid Test Mixture (Qualitative)

**Part Number:** 1700-0070

**Lot Number:** 910006

**Test Start Date:** 30 Sep 09

**Primary Application:** This test mixture is a solution of 3 amino acids in 0.01 N HCl. This test mixture is intended to be used for testing amino acid derivitization systems.

**Acceptance Criteria:** The concentrations for 3 amino acids are within  $\pm 10\%$  of those stated below. These values are based on the results of HPLC analysis using certified NIST amino acids standard and Sigma amino acids standard.

| Compound       | Concentrations<br>$\mu\text{M}/\text{mL}$ |
|----------------|---|
| L-Cysteic acid | 0.25                                      |
| L-Threonine    | 0.25                                      |
| L-Serine       | 0.25                                      |

Analysis Certified by: \_\_\_\_\_

Jim Murphy  
VP Operations  
Title

Date: \_\_\_\_\_

06 Oct 09

Rev. 5, 2/23/06

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