



CERTIFICATE OF ANALYSIS

Amino Acid Test Mixture

1700-0070

Product: Amino Acid Test Mixture (Qualitative)

Part Number: 1700-0070

Lot Number: 204023

Production Date: 24 Apr 2012

Expiration Date: 24 Apr 2015

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 of amino acid derivitization systems.

Acceptance Criteria: The concentrations for 3 amino acids are within $\pm 10\%$ of those stated below.

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

Analysis Certified by: Jim Murphy **Date:** 29 May 2012
VP Operations
Title

Rev. 6, 11/28/2011