



CALIBRATION STANDARD Specifications & Handling Information

Catalog No. 1700-0180 (5 x 1 mL)
Description: Amino Acid Standard (Acidics and Neutrals)
in 0.1 N Hydrochloric Acid

▪ USAGE

The Calibration Standard, which is intended to be used to establish relative retention times and response factors, may be diluted to the desired concentration with Pickering's Lithium Sample Diluent (Catalog No. Li220). The calibration standard is a mixture of acidic and neutral Amino Acids and related compounds. Each mL of solution contains 2.5 μmol of each component, except Cystine, in 0.1 N Hydrochloric Acid. Cystine concentration is 1.25 $\mu\text{mol/mL}$

▪ STORAGE

Although they are stored frozen at the factory, Pickering's calibration standards remain stable when shipped at ambient temperatures. Upon receipt, it is best to place them into a freezer immediately (at least -4°C), and store until ready for use. Thaw one ampule at a time and keep the thawed standard in a refrigerator (ca. 4°C) when not in use. Before opening vial, allow standard to reach room temperature to avoid condensation and possible contamination.

▪ CONSTITUENTS

β -Alanine	L-Isoleucine
L-Alanine	L-Leucine
D,L- α -Aminoadipic Acid	L-Methionine
L- α -Amino- <i>n</i> -butyric Acid	L-Phenylalanine
D,L- β -Amino- <i>i</i> -butyric Acid	<i>O</i> -Phosphoethanolamine
L-Asparagine	D,L- <i>O</i> -Phosphoserine
L-Aspartic Acid	L-Proline
L-Citrulline	Sarcosine
L-Cystathionine	L-Serine
L-Cystine	Taurine
L-Glutamic Acid	L-Threonine
Glycine	L-Tyrosine
cis-4-Hydroxy-L-proline	Urea
	L-Valine