



CALIBRATION STANDARD Specifications & Handling Information

Catalog No. 012006P (5 x 1 mL)
Description: Amino Acid Native Sample Standard,
in 0.27 N Lithium Citrate Buffer pH 2.36,
without Norleucine, 0.25 $\mu\text{mole/mL}$

▪ USAGE

The Native Sample 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, neutral, and basic Amino Acids and related compounds. Each mL of solution contains 0.25 μmol of each component in 0.2 N Lithium Citrate Buffer pH 2.36 with Benzoic Acid as a preservative.

▪ 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 portion in a refrigerator (ca. 4°C). Before opening an ampule, allow standard to reach room temperature to avoid condensation and possible contamination.

▪ CONSTITUENTS

β -Alanine	L-Cystathionine	L-Ornithine
L-Alanine	L-Cystine	L-Phenylalanine
D,L- α -Aminoadipic Acid	Ethanolamine	<i>O</i> -Phosphoethanolamine
L- α -Amino- <i>n</i> -butyric Acid	L-Glutamic Acid	D,L- <i>O</i> -Phosphoserine
γ -Amino butyric Acid	Glycine	L-Proline
D,L- β -Amino- <i>i</i> -butyric Acid	L-Histidine	Sarcosine
L- α -Amino- β -guanidinopropionic Acid	D,L-Homocystine	L-Serine
Ammonia	cis-4-Hydroxy-L-proline	Taurine
L-Anserine	D,L & allo-Hydroxylysine	L-Threonine
L-Arginine	L-Isoleucine	L-Tryptophan
L-Asparagine	L-Leucine	L-Tyrosine
L-Aspartic Acid	L-Lysine	Urea
L-Carnosine	L-Methionine	L-Valine
L-Citrulline	L-1-Methylhistidine	
Creatinine	L-3-Methylhistidine	