CALIBRATION STANDARD
Specifications & Handling Information

Catalog No. **011006P** (5 mL)

Description: Amino Acid Native Sample Standard, in 0.27 N Lithium Citrate Buffer pH 2.36, **with Norleucine**, 0.25 µmole/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 0.008*N* Phenol 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 divide the standard into aliquots and place them into a freezer immediately (at least –4°C), and store until ready for use. Thaw one aliquot at a time and keep the thawed aliquot in a refrigerator (ca. 4°C). If inconvenient to aliquot the standard upon receipt, freeze vial immediately; then at convenient time thaw and divide standard as directed above. Before opening vial, allow standard to reach room temperature to avoid condensation and possible contamination.

▪ CONSTITUENTS

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

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