



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

Product Information

AMINO ACID STANDARD SOLUTION For Protein Hydrolysates Containing Norleucine For calibrating amino acid analyzers

Product No. **A 2908**

Store at 2-8 °C

Amino acids are in 0.2 N sodium citrate, pH 2.20 at the indicated concentrations $\pm 4\%$. Thiodiglycol (2% w/v) and phenol (0.1% w/v) are present as antioxidant and preservative, respectively. Molecular weights are listed to four significant figures.

Amino Acid	Mol. Wt.	$\mu\text{moles/ml}$
L-Alanine	89.09	0.5
Ammonium Chloride	53.49	0.5
L-Arginine	174.2	0.5
L-Aspartic Acid	133.1	0.5
L-Cysteic Acid	169.2	0.5
L-Cystine	240.3	0.25
L-Glutamic Acid	147.1	0.5
Glycine	75.07	0.5
L-Histidine	155.2	0.5
L-Isoleucine	131.2	0.5
L-Leucine	131.2	0.5
L-Lysine	146.2	0.5
L-Methionine	149.2	0.5

Amino Acid	Mol. Wt.	$\mu\text{moles/ml}$
L-Norleucine	131.2	0.5
L-Phenylalanine	165.2	0.5
L-Proline	115.1	0.5
L-Serine	105.1	0.5
Taurine	125.1	0.5
L-Threonine	119.1	0.5
L-Tryptophan*	204.2	0.5
L-Tyrosine	181.2	0.5
L-Valine	117.2	0.5

For laboratory use only. Not for drug, household or other uses.

*L-Tryptophan decomposes slowly in acidic solution. Actual concentration may be less than 0.5 $\mu\text{moles/ml}$.

mpb 3/30/98

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