

Product Information

Amino Acid Standards, physiological Acidics, Neutrals, and Basics

For calibrating amino acid analyzers

Product No. A9906

Amino Acids and related compounds are 0.5 $\mu\text{mol/ml} \pm 4\%$ in 0.2 N lithium citrate buffer, pH 2.20 containing thiodiglycol (2% w/v) and phenol (0.1% w/v) as antioxidant and preservative, respectively. Molecular weights are listed to four significant figures.

Amino Acid	Mol. Wt.	Amino Acid	Mol. Wt.
β -Alanine	89.09	L-Homocystine	268.4
L-Alanine	89.09	δ -Hydroxylysine	162.2
L- α -Aminoadipic Acid	161.2	Hydroxy-L-proline	131.1
L- α -Amino-n-butyric Acid	103.1	L-Isoleucine	131.2
γ -Amino-n-butyric Acid	103.1	L-Leucine	131.2
D,L- β -Aminoisobutyric Acid	103.1	L-Lysine	146.2
Ammonium Chloride	53.49	L-Methionine	149.2
L-Anserine	240.3	1-Methyl-L-histidine	169.2
L-Arginine	174.2	3-Methyl-L-histidine	169.2
L-Aspartic Acid	133.1	L-Ornithine	132.2
L-Carnosine	226.2	L-Phenylalanine	165.2
L-Citrulline	175.2	L-Proline	115.1
Creatinine	113.1	L-Sarcosine	89.09
L-Cystathionine	222.3	L-Serine	105.1
L-Cystine	240.3	Taurine	125.1
Ethanolamine	61.08	L-Threonine	119.1
L-Glutamic Acid	147.1	L-Tryptophan*	204.2
Glycine	75.07	L-Tyrosine	181.2
L-Histidine	155.2	Urea	60.06
		L-Valine	117.2

Store at 2-8 °C

This product is for R&D use only,
not for drug, household, or other uses.
Please consult the Material Safety Data
Sheet for information regarding hazards
and safe handling practices.

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

MAM 02/06-1

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.