



Product Information Certificate

AR-211

GLYCINE

LOT# 1222X

(Uncertainty by purity)

Carbon = 32.00%	± 0.08
Hydrogen = 6.71%	± 0.02
Nitrogen = 18.66%	± 0.05
Oxygen = 42.62%	± 0.11

(Melting point 233°C) (Purity by Assay 99.75%)

F.W. 75.07

This Organic Analytical Standard (OAS) consists of high purity Glycine for use as a routine working micro analytical standard. Refer to your instrument manufacturer's recommendation and/or standard test method for additional uncertainty capabilities. This high purity (99%+) Glycine (C₂H₅N·O₂) is intended for use as a calibration and or QC check for micro or macro analysis of C, H, N, and O by high temperature combustion or pyrolysis and utilizing TC or IR detection. This may be used for other valid test methods along with proper validation.

This bottle contains 50g to be used per your test method. This is a reference material (RM) and is established by its purity and empirical stoichiometry in accordance with recommendations of the Analytical Chemistry Section of the International Union of Pure and Applied Chemistry. The above values represent the stoichiometric values of pure Glycine. The material used in production of this standard was identified in accordance with ARI-LAB-603. The bottling of this reference material was performed in accordance with ARI-LAB-611.

Store tightly sealed under normal laboratory conditions. While unable to determine a definite shelf life this reference should be reviewed 10 years from the date of certification. Once opened this product has a 2-year shelf life.

Remedies for any claimed defect in this product will be limited to product replacement or refund of the purchase price. In no event shall Alpha Resources be liable for incidental or consequential damages.

Certificate date: January 9, 2023

EXPIRATION DATE:

THIS RM IS VALID FOR TWO YEARS FROM THE DATE OF OPENING

Kent Dyer
Chief Chemist, Alpha Resources LLC