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CERTIFICATE OF QUALITY

**Product:** GLYCINE

Grade: BIOTECHNOLOGY GRADE

**Code:** 0167

Appearance: White powder.

Mol. Formula: C2H5NO2

Mol. Weight: 75.07

<u>Description:</u> This material is from a synthetic source.

Assay:	<u>Min</u>		<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Abs.@260nm (2M, Water)			0.05		PASS
Abs.@280nm (2M, Water)			0.05		PASS
Chloride			0.01	%	PASS
DNase			NONE	P/F	PASS
Heavy Metals (as Pb)		<	0.002	%	PASS
Loss on Drying			0.2	%	PASS
pH (5%, Water) @25C	5.9		6.4		PASS
Protease			NONE	P/F	PASS
Purity	99.0			%	PASS
RNase			NONE	P/F	PASS
Solubility (10%, Water)	PASS			P/F	PASS
Sulfate			0.05	%	PASS
Thin Layer Chromatography (TLC)			ONE SPO	Т	PASS

Storage: Store at room temperature. Protect from moisture.

0167BIO This signature indicates that the above material has met all quality

specifications and has been reviewed by a quality representative.

Signature: ( You Crocke

<u>Title:</u> <u>QC MANAGER</u> Date: <u>7/11/2012</u>