

## Certificate of Quality

**Product Name: Trypsin, Porcine Pancreas,  $\geq$  2500 USP U/MG**

Meets USP testing specifications. Caution: Solutions in 1 mM HCl are stable for 2 years in aliquots and stored at -20°C. The presence of Ca<sup>2+</sup> will also diminish the self-autolysis of trypsin and maintain its stability in solution. Trypsin will also retain most of its activity in 2.0 M urea, 2.0 M guanidine HCl, or 0.1% (w/v) SDS. Unit Definition: One BAEE unit will produce a A253 of 0.001 per minute at pH 7.6 at 25°C using BAEE as a substrate. One BTEE unit = 320 ATEE units.

Product Code:	A4029	CAS #:	9002-07-07
Grade:	Biotechnology	Formula:	
Appearance:	White powder	MW:	23.4 kDA
Reassay Date:	2 years after shipping date	Lot#:	See product label
Storage:	-20°C. Protect from moisture. Allow to come to room temperature before opening.		

TEST	SPECIFICATION	RESULT
Activity (dried basis)	$\geq$ 2,500 USP units/mg	Passes
Limit of chymotrypsin	$\leq$ 5%	Passes
Residue on ignition	$\leq$ 2.5%	Passes
Loss on drying	$\leq$ 5%	Passes
Microbial limits (staphylococcus aureus)	Negative	Passes
Microbial limits (pseudomonas aeruginosa)	Negative	Passes
Microbial limits (salmonella species)	Negative	Passes
Solubility (water)	Soluble	Passes

Data Verified by M. He. Verification Date: 2020-01-06

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