

Certificate of Analysis

α-Chymotrypsin from bovine pancreas **≥40 BTEE U/mg**

Product Number	PSR47177	CAS No.	9004-07-3
Brand	PureSynth	Lot No.	C47177SR0625
Molecular Formula	NA	Date of Mfg.	June,2025
Molecular Weight	NA	Date of Exp.	May,2028

Test	Specification	Result
Appearance (Color)	White to off white	White
Appearance (Form)	Crystalline powder	Crystalline powder
Activity	min. 40 BTEE units/mg protein	49.9 BTEE units/mg protein
	min. 7500 ATEE units/mg powder	7718 ATEE units/mg powder
	min. 1000 USP units/mg powder	1029 USP units/mg powder
Protein content	≥ 70.0 %	70.0 %
Unit Definition	1) One unit of α chymotrypsin will hydrolyze 1.0 μmole of BTEE per minute at pH 7.8 at 25°C (1 BTEE unit = 29.5 NF/USP unit). 2) One unit of α chymotrypsin will hydrolyze 1.0 micromole of ATEE per minute at pH 7.0 at 25 °C (1 NF/USP unit = 7.5 ATEE units).	Conforms
Enzyme solution for activity determination	Prepared in 0.001 N HCl	Conforms

Remark:

This is to certify that the mentioned batch has analyzed at the time of quality release and has been found to be compliance with prescribed specification.

Store at a temperature of -20 °C and keep the container tightly closed.

Head - Technical

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