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[www.worthington-biochem.com](http://www.worthington-biochem.com)

### Certificate of Analysis

Product            Trypsin Inhibitor, Soybean, Purified, Animal Free/AF  
Source             Soybean  
Country of  
Manufacture        USA  
Storage            Store at 2-8°C.  
Code                SI  
Lot Number  
Re-Assay Date  
Description        Chromatographically purified as described by Frattali, V., and Steiner, R.: *Biochem.*, 7, 521 (1968),  
modified by Worthington. A dialyzed, lyophilized powder. Purity  $\geq$ 90% checked using SDS PAGE.  
Unit Definition    One milligram inhibits at least 1.2 milligrams of trypsin, Code TRL, with at least 180 Units per  
milligram. (One Unit TRL hydrolyzes one micromole of TAME per minute at 25°C, pH 8.2, in the  
presence of 0.1M calcium.)

**Parameter**

**Result**

**Acceptance Criteria**

mg TRL inhibited by 1 mg

1.87

1 mg inhibits at least 1.20 mg trypsin,

Code: TRL

A280nm @ 1 mg/ml

0.82

Report assay value.

SDS PAGE

Satisfactory

$\geq$ 90% Purity

Endotoxin EU/mg dw

207

Report Assay Value.

Approved by: Thomas R. Ryan, Quality Control Manager (signature on file)

Date: 1/20/20