



Certificate of Analysis

Glutaminase

Description: Recombinant purified from E. coli, suspension in Lithium Sulfate
Catalog Number: GL1008
E.C. Number: 3.5.1.2
Lot Number: 1002501
Storage: 2°C – 8°C
Retest Date: December 1, 2019

Test	Properties
Appearance	Cloudy, liquid suspension
Electrophoretic Purity SDS-PAGE Isoelectric Focusing	Single band at 33,968kDa Single band at pI ~ 5.3
Specific Activity*	739 U/mg protein at pH 4.9, 25°C 1,791 U/mg protein at pH 4.9, 37°C
Activity	1,250 U/mL
Activities as % of Glutaminase Glutaminase NADH Oxidase NADPH Oxidase	100% < 0.0001% < 0.0001%
Contaminants (NH ₄ ⁺)	< 0.001µg/Unit

* Unit definition: One unit of glutaminase is defined as the amount of enzyme required to deaminate one µmole of L-glutamine to L-glutamate and NH₄⁺ in 40mM Sodium Acetate buffer, pH 4.9 and 40mM L-Glutamine.

Approved by:

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