



## CERTIFICATE OF ANALYSIS

PRODUCT NAME:	GLUTAMATE DEHYDROGENASE Bovine
ACTIVITY:	Typically >15 u/mg of powder @ 37C
APPEARANCE:	White
CAS NO:	9029-12-3
CAT. NO:	I260-10
EC NO:	1.4.1.3
EXPIRATION:	3 years
FORM:	Lyophilized
MOLECULAR WEIGHT:	350 000
SOURCE:	Bovine (Beef) Liver
STORAGE:	-20 C
SYNONYMS:	L-Glutamate:NAD(P)+ oxidoreductase

Glutamate Dehydrogenase GLDH UNIT DEFINITION: One unit of enzyme activity is defined as the amount of enzyme which will catalyse the oxidation of one micromole of NADH per minute @ 37C under the conditions described in the Assay Method.

Glutamate dehydrogenase GLDH is an enzyme, present in mitochondria of eukaryots, as are some of the other enzymes required for urea synthesis, that converts glutamate to  $\alpha$ -Ketoglutarate, and vice versa.

Bovine Glutamate Dehydrogenase GLDH Glutamate Dehydrogenase GLDH research: Properties and molecular evolution of human GLUD2 (neural and testicular tissue-specific) glutamate dehydrogenase. Glutamate Dehydrogenase GLDH Ref: J Neurosci Res. 2007 Apr;85(5):1101-9

glutamate dehydrogenase research: The relationship between haematological indices, serum gamma-glutamyl transferase and glutamate dehydrogenase, visual hepatic damage and worm burden in cattle infected with *Fasciola gigantica*. Glutamate Dehydrogenase GLDH Ref: Journal of Helminthology (2006), 80: 277-279 Cambridge University Press