



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Glutamate Oxaloacetate Transaminase AST, Human
ACTIVITY:	Typically >20 u/ml @ 37C measured
CAT. NO:	I306-10
EC NO:	2.6.1.1
EXPIRATION:	1 year
FORM:	Ammonia Sulfate Suspension
PROTEIN:	Typically >10 mg/ml
SOURCE:	Human Liver
STORAGE:	2-8 C
SYNONYMS:	Aspartate aminotransferase (ASAT), Aspartate Transaminase (AST)
UNSPSC CODE:	51131907

Aspartate aminotransferase (AST) known as Glutamate Oxaloacetate Transaminase (GOT) UNIT DEFINITION: One unit will catalyze the transamination of one micromole of L-aspartate to alpha-ketoglutarate forming L-glutamate and oxaloacetate per minute at 37C and pH 7.8. Measured at 340 nm as one equimolar amount of NAD produced by a coupled reaction.

Two SGOT/AST isoenzymes are present in humans. They have high similarity.

GOT1, the cytosolic isoenzyme derives mainly from red blood cells and heart.

GOT2, the mitochondrial isoenzyme is predominantly present in liver.

Aspartate aminotransferase (AST) known as Glutamate Oxaloacetate Transaminase (SGOT) Glutamic Oxaloacetic transaminase products