



CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Alcohol Dehydrogenase (YADH)
ACTIVITY:	Typically Greater Than 100u/Mg
CAS NO:	9031-72-5
CAT. NO:	I103-10R
CONTAMINANTS:	< .01% Pk, < .01% Ldh, < .01% Adolase, < .05% Carboxylase
EC NO:	1.1.1.1
FORM:	Lyophilized
SOURCE:	Yeast
SPECIFIC ACTIVITY:	Typically Greater Than 300u/Mg
SYNONYMS:	Alcohol: Nad+ Oxidoreductase,(Yadh)

Yeast Alcohol Dehydrogenase Unit Definition: That amount of enzyme causing the reduction of one micromole of NAD⁺ per minute at 25C.

Alcohol dehydrogenase(s)ADH are a group of dehydrogenase enzyme(s) that occur in many organisms and facilitate the interconversion between alcohols and aldehydes or ketone(s). In human(s) and many other animals, they serve to break down alcohols which could otherwise be toxic; in yeast and many bacteria, some alcohol dehydrogenases catalyze the opposite reaction as part of fermentation

Yeast Alcohol Dehydrogenase YADH study: Alcohol Dehydrogenase from yeast cells catalyzes an apparent dismutation of two molecules of acetaldehyde into a molecule of acetic acid and a molecule of ethanol. Dehydrogenase Ref: Biotechnology Letters, Volume 21, Number 3, March 1999, pp. 231-234

Yeast Alcohol Dehydrogenase is a member of the zinc-containing ADH family. Yeast Alcohol Dehydrogenase (YADH) contains three isoenzymes: YADH-1, YADH-2, YADH-3. YADH-1 is found in the cytoplasm and Yeast Alcohol Dehydrogenase isoenzyme YADH-1 constitutes the major alcohol dehydrogenase activity in growing bakers yeast. Dehydrogenase REF: J. Mol. Evol. 1992, 34,522-535, FEMS Yeast Res. 2002,2,481-494

Bulk pricing available on Yeast Alcohol Dehydrogenase from 1000kU to 10 million units. We are able to custom fill yeast alcohol dehydrogenase to your requirements. Custom buffers available for yeast alcohol dehydrogenase ADH on bulk orders