

## Certificate of Analysis

**Product Name:** Ethanol Assay Kit

**Catalog No.:** Z5030029

**Shipping Condition:** Room Temperature

**Storage Condition:** Store reagents at room temperature and the ethanol standard at 4°C

**Shelf Life:** 12 months from the date of receipt under proper storage conditions

### Description

Alcoholic drinks are among the daily consumed beverages. Studies have shown heavy alcohol consumption may lead to various forms of liver diseases and to increased mortality rates. Quantitative determination of alcohol (ethanol, C<sub>2</sub>H<sub>5</sub>OH) finds applications in basic research, drug discovery, clinic studies and winery.

Simple, direct and automation-ready procedures for measuring ethanol concentration are very desirable. BioChain' ethanol assay kit is based on an improved dichromate method, in which dichromate is reduced by ethanol to a bluish chromic (Cr<sup>3+</sup>) product. The intensity of color, measured at 580 nm, is a direct measure of the alcohol concentration in the sample. The optimized formulation substantially reduces interference by substances in the raw samples and exhibits high sensitivity.

### Components

1. One Kit
2. User Manual
3. Certificate of Analysis
4. MSDS

**FOR IN VITRO RESEARCH USE ONLY**

**APPROVED BY:** \_\_\_\_\_

