

Certificate of Analysis

Product Name:

Carbonic Anhydrase from bovine erythrocytes, Specific activity $\geq 2,000$ units/mg protein, **PurBio**

Product No.: PSR45108
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 9001-03-0
Molecular Formula: NA
Molecular Weight: 30,000 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	White to Beige Powder	White Powder
Activity	≥ 2000 units/mg	3892 units/mg
Protein (By Biuret Test)	≥ 75 %	86.5 %
Identity Test	Conforms	Conforms
Bovine Erythrocytes (as Source)	Conforms	Conforms
Unit Definition	One Unit is determined by the electrometric method of Wilbur and Anderson (J. Biol. Chem., 176,147 (1948)), in which the time required (in seconds) for a saturated CO ₂ solution to lower the pH of 0.02M Tris-HCl buffer from 8.3 to 6.3, at 0-4°C is determined	Conforms

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a temperature of 2- 8 °C and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com