



CERTIFICATE OF ANALYSIS

Phosphatase Labeled Streptavidin

CATALOG NO. 15-30-00
LOT NO. 10219442
SIZE 0.5 mg

DESCRIPTION Streptavidin is a 60,000 dalton protein isolated from the bacterium *Streptomyces avidinii* and binds four molecules of biotin with high affinity. Streptavidin is covalently linked with phosphatase using a modified Glutaraldehyde procedure.

FORM/STORAGE Lyophilized. Store refrigerated at 2 – 8°C until rehydrated.

CONTENT Each vial contains 0.5 mg of streptavidin.

E/P RATIO Molar enzyme/streptavidin protein ratio = 1.34:1

STABILIZERS AND PRESERVATIVES Stabilization diluent added as a protein stabilizer. No preservatives added. Non-sterile.

SPECIFICITY Tested by ELISA techniques as applicable. This product has been shown to bind four molecules of biotin with high affinity ($K_p = 10^{-15} M^{-1}$).

STABILITY Product is stable for one year from date of receipt when stored properly.

DATE OF MANUFACTURE 08/23/2016

Quality Assurance Verified and Approved:

A handwritten signature in black ink, appearing to be 'W.D.', is written over a horizontal line.

Date: 09/11/2016