

CERTIFICATE OF ANALYSIS

PRODUCT: STREPTAVIDIN (*Streptomyces avidinii*)

PRODUCT CODE: SA10

LOT NUMBER: 600 258

FORMULATION: Supplied lyophilized: contains ~0.9 mg protein/mg lyophilizate (the balance is sodium chloride).

STORAGE: -20°C

EXPIRATION DATE: November 2021

QUALITY CONTROL

1. Specific Activity:

17.5 U/mg protein (HABA dye-binding method¹)

(Specification: ≥14.0 U/mg)

18.3 U/mg protein (biotin titration method)

(Report only)
2. SDS-PAGE Analysis: Passed (Specification: predominantly single band)

Authorized Signature

- ^{1.} One unit will bind one microgram of d-biotin at pH 7.0. The biotin-binding activity of streptavidin is determined using a modification of the HABA dye-binding assay: Green NM. Spectrophotometric determination of avidin and biotin. Meth Enzymol 1970; 18A:418-424.