

## CERTIFICATE OF ANALYSIS

PRODUCT: STREPTAVIDIN-PLUS®  
(recombinant from *Streptomyces avidinii*, expressed in *E. coli*)

PRODUCT CODE: SA26

LOT NUMBER: DE25 058

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

STORAGE: -20°C

### QUALITY CONTROL

1. Specific Activity:  

15.8 U/mg protein (HABA dye-binding method<sup>1</sup>)

(Specification: ≥14.0 U/mg)

18.4 U/mg protein (biotin titration method)

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

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Authorized Signature

- <sup>1</sup>. 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.