



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-396496A  
Lot Number: H1115  
Product Name: TNP-KLH (Keyhole Limpet Hemocyanin)  
Molecular Formula:  $C_6H_3N_4O_6$ -KLH

Test	Specification	Result
Appearance	Orange powder	Complies
Immunochemical Solubility	Dissolves at 1 mg/ml in PBS buffer	Complies
Immunochemical Conjugation Ratio to Protein		18 TNP/KLH
Absorbance		$\lambda_{max}$ : 348 nm
Extinction Coefficient		@ $\lambda_{max}$ : 15400/M/cm

## Test Conditions

This product can be dissolved in PBS buffer, water or other neutral buffers at a concentration of 1mg/mL. Product may precipitate when dissolved or stored in solution, therefore it is recommended to sonicate the solution for 30 minutes before use.

Store solution in aliquots at +5°C. KLH will come out of solution if frozen. Protect from light.

Conjugation is determined at 348 nm using the extinction coefficient of TNP and is given as a molar ratio of TNP to KLH assuming the molecular weight of KLH is 100,000.

**Satisfaction Guarantee:** We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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