

## Certificate of Analysis

Date of Testing: 2024-09-12 18:55:37  
Date of Next Testing: 2026-09-12 18:55:37  
Product Name: **2-(2H-benzotriazol-2-yl)-4-(1, 1, 3, 3-tetramethylbutyl)phenol**  
CAS Number: 3147-75-9  
Specifications & Purity:  $\geq 98.0\%$ (HPLC)  
Lot #: L2213464  
SKU #: **H135447**  
Version: **0**  
Analysis #: **410693**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	12.7-13.3 (%)	12.93%
Melting point	103-106 (°C)	105.98000 °C
Purity(HPLC)	98-100 (%)	98.93000%
Purity(Neutralization titration)	97.5-102.5 (%)	99.97%
Carbon by Elemental Analysis	72.4-76.1 (%)	74.85%
Appearance (H135447)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager