

Certificate of Analysis

Date of Testing: 2023-08-04 09:28:28

Date of Next Testing: 2025-08-03 09:28:28

Product Name: **2-(2H-benzotriazol-2-yl)-4-(1, 1, 3, 3-tetramethylbutyl)phenol**

CAS Number: 3147-75-9

Specifications & Purity: ≥98.0%(HPLC)

Lot #: K2102254

SKU #: **H135447**

Analysis: 259448

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	12.7-13.3 (%)	13.10%
Melting point	103-106 (°C)	105.88000 °C
Purity(HPLC)	98-100 (%)	98.15220%
Purity(Neutralization titration)	97.5-102.5 (%)	99.10%
Carbon by Elemental Analysis	72.4-76.1 (%)	73.68%
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