

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: $\geq 98.0\%$ (HPLC)
Lot #: K2103155
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 |



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QA & QC Manager