

Catalog Number D7918
Product Name 2,3-diaminonaphthalene
CAS Number / Name 771-97-1 / 2,3-Naphthalenediamine
Molecular Formula $C_{10}H_{10}N_2$
Molecular Weight 158.2
Appearance brown solid
Lot Number 1791799

| | LOT DATA | SPECIFICATION |
|---|--------------------------------|--|
| Absorption ¹ Maximum Extinction | 341 nm 5100 $cm^{-1}M^{-1}$ | 340 ± 3 nm 5300 ± 400 $cm^{-1}M^{-1}$ |
| Fluorescence ¹ Emission Maximum | 380 nm | 376 ± 4 nm |
| HPLC Purity | 97 % at 254 nm | ≥ 90 % at 254 nm |
| NMR Result | meets specification | consistent with structure |
| Miscellaneous Information Material Lot Number | 74370212 | n.a. |

1. Solvent: Methanol.

Rachel Smith, Ph.D., Quality Assurance

21-Dec-2015

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.