

## MOLECULAR PROBES®

## CERTIFICATE OF ANALYSIS

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 1791799A

	LOT DATA	SPECIFICATION
<b>Absorption</b> <sup>1</sup>		
Maximum Extinction	341 nm 5000 $cm^{-1}M^{-1}$	340 ± 3 nm 5300 ± 400 $cm^{-1}M^{-1}$
<b>Fluorescence</b> <sup>1</sup>		
Emission Maximum	380 nm	376 ± 4 nm
<b>HPLC</b>		
Purity	95 % at 254 nm	≥ 90 % at 254 nm
<b>NMR</b>		
Result	meets specification	consistent with structure
<b>Miscellaneous Information</b>		
Material Lot Number	73026007	n.a.

1. Solvent: Methanol.

Rachel Smith, Ph.D., Quality Assurance

24-Feb-2012

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.