<table>
<thead>
<tr>
<th><strong>LOT DATA</strong></th>
<th><strong>SPECIFICATION</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Absorption</strong></td>
<td></td>
</tr>
<tr>
<td>Maximum</td>
<td>494 nm</td>
</tr>
<tr>
<td>Extinction</td>
<td>5800 cm(^{-1})M(^{-1})</td>
</tr>
<tr>
<td><strong>Fluorescence</strong></td>
<td></td>
</tr>
<tr>
<td>Emission Maximum</td>
<td>633 nm</td>
</tr>
<tr>
<td><strong>HPLC</strong></td>
<td></td>
</tr>
<tr>
<td>Purity</td>
<td>99 % at 254 nm</td>
</tr>
<tr>
<td><strong>NMR</strong></td>
<td></td>
</tr>
<tr>
<td>Result</td>
<td>meets specification</td>
</tr>
<tr>
<td><strong>Miscellaneous Information</strong></td>
<td></td>
</tr>
<tr>
<td>Material Lot Number</td>
<td>1986869</td>
</tr>
</tbody>
</table>

1. Solvent: Buffer, 50 mM potassium phosphate (pH 7).

Rachel Smith, Quality Assurance Manager
01-Aug-2018

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*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.*