

## MOLECULAR PROBES®

## CERTIFICATE OF ANALYSIS

Catalog Number C195  
Product Name 5(6)-CFDA (5-(and-6)-carboxyfluorescein diacetate) \*mixed isomers\*  
CAS Number / Name 124387-19-5 / Spiro(isobenzofuran-1(3H),9'-(9H)xanthene)-ar-carboxylic acid, 3',6'-bis(acetyloxy)-3-oxo-  
Molecular Formula  $C_{25}H_{16}O_9$   
Molecular Weight 460.4  
Appearance white solid  
Lot Number 1791832

	LOT DATA	SPECIFICATION
<b>Absorption</b> <sup>1</sup> Maximum Extinction	291 nm 6100 cm <sup>-1</sup> M <sup>-1</sup>	290 ± 3 nm 5700 ± 500 cm <sup>-1</sup> M <sup>-1</sup>
<b>Fluorescence</b> <sup>2</sup> Background	49 ppm	≤ 100 ppm
<b>HPLC</b> Purity	99 % at 254 nm	≥ 90 % at 254 nm
<b>NMR</b> Result	meets specification	consistent with structure
<b>Miscellaneous Information</b> Material Lot Number	1732980	n.a.

1. Solvent: Methanol.

2. Solvent: Methanol. Method: Background vs. Reference. Ref: fluorescein, Ex @ 490 nm, Em @ 517 nm.



Rachel Smith, Ph.D., Quality Assurance

03-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.