

## 12:0 N-Biotinyl Fatty Acid

N-biotinyl-dodecanoic acid

860557P-5mg

Page 1 of 1

<b>Molecular Weight</b>	441.628
<b>Chemical Formula</b>	C <sub>22</sub> H <sub>39</sub> N <sub>3</sub> O <sub>4</sub> S
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6004PHD011
<b>Avanti Lot Number</b>	860557P-5MG-D-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC 65:25:4 Chloroform: Methanol: Ammonium Hydroxide	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-H] <sup>-</sup> = 440.628 ± 1 amu	[M-H] <sup>-</sup> = 440.4 amu

Approved by:

