

# Analytical Data Sheet

Lot number

## 1019346

not for drug use

|                                |                                |
|--------------------------------|--------------------------------|
| <b>Catalog Number</b>          | <b>B-3660.0050</b>             |
| <b>Product number</b>          | <b>4041053.0050</b>            |
| <b>Product</b>                 | <b>Fmoc-Pro-Pro-Pro-Pro-OH</b> |
| <b>Molecular formula</b>       | $C_{40}H_{47}N_5O_8$           |
| <b>Relative molecular mass</b> | 725.84                         |

| Tests                                | Results  |
|--------------------------------------|--|
| <b>Appearance</b>                    | white powder   |
| <b>Appearance of solution</b>        | clear, colorless solution (50 mg/mL in methanol)   |
| <b>Identification (TLC)</b>          | complies with authentic material   |
| <b>Purity (HPLC)</b>                 | 98.3% (TFA)  |
| <b>Purity (TLC)</b>                  | > 98% (UV)<br>> 95% (chlorine-tolidine, ammoniummolybdate)   |
| <b>TLC conditions</b>                | chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1<br>chloroform/methanol/acetic acid 32% 5/3/1<br>chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5<br>plate: silicagel 60 F <sub>254</sub><br>detected by: UV, ninhydrin, chlorine-tolidine,<br>ammoniummolybdate |
| <b>Assay (elemental analysis)</b>    | 95.1% (Nth 9.65%, Nfd 9.18%)   |
| <b>Assay (titration)</b>             | 97.5% (TBAH)   |
| <b>Water content (KF volumetric)</b> | 0.4%   |
| Latest update: October 13, 2008      |  |