

## CERTIFICATE OF ANALYSIS

**Product No.**

H002N

**Lot No.**

EA31B-GR

### DTSP

**3,3'-Dithiodipropionic acid di(N-hydroxysuccinimide ester)**

**Comments:** Thiol-cleavable, amine reactive homobifunctional cross linking reagent  
**CAS No:** 57757-57-0  
**Mol. Formula:** C<sub>14</sub>H<sub>16</sub>N<sub>2</sub>O<sub>8</sub>S<sub>2</sub>  
**Mol. Weight:** 404.42 g/mol  
**Assay:** Min. 98%  
**Storage:** -20°C under Argon  
**Expiry Date:** No expiry if correctly stored. Recommended retest one year upon opening.

| TEST                      | SPECIFICATIONS                    | LOT RESULT              |
|---------------------------|-----------------------------------|-------------------------|
| Appearance (Colour/Form): | White powder solid                | White powder solid      |
| <sup>1</sup> H-NMR:       | Conforms to structure<br>Min. 98% | Conforms<br>Purity >98% |
| Melting Point (°C):       | 128-133                           | 127-129                 |

Quality Release Date: 31/01/2013

Quality Retest Date: --/--/----

Approved:

  
Quality Control Technician

Reviewed:

  
Dr. T. P. Jansen  
Production Manager

Cyanagen warrants that its products conform to the information contained in this and other Cyanagen publications. Purchaser must determine the suitability of the product for its particular use. The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.