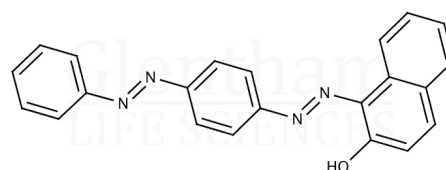


## Certificate of Analysis

|               |                        |
|---------------|------------------------|
| Product Name  | Sudan III (C.I. 26100) |
| Glentham Code | GT4766                 |
| CAS Number    | 85-86-9                |
| EINECS        | 201-638-4              |
| Farbindex     | 26100                  |
| MDL-Nummer    | MFCD00003905           |
| PubChem SID   | 310280355              |
| Batch Number  | 859HSL                 |

|                   |                                                  |
|-------------------|--------------------------------------------------|
| Molecular Weight  | 352.40                                           |
| Molecular Formula | C <sub>22</sub> H <sub>16</sub> N <sub>4</sub> O |
| Storage Temp.     | +20°C                                            |



| Property                                              | Specification                     | Batch 859HSL    |
|-------------------------------------------------------|-----------------------------------|-----------------|
| Physical Description                                  | Red to dark brown powder          | Dark red powder |
| Solubility (1% in Toluene)                            | Clear, red solution               | Entspricht      |
| Wavelength of Maximum Absorption ( $\lambda_{\max}$ ) | 505.0 - 511.0 nm                  | 508.0nm         |
| Absorptivity (1%/1cm)                                 | $\geq 870$ (at $\lambda_{\max}$ ) | 888             |
| Loss on Drying                                        | $\leq 1.0\%$ (110°C, 1h)          | 0.38%           |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.1       |
| Manufacture Date      | 2015-12-07 |
| Re-Test Date          | 2029-12-07 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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