

## CERTIFICATE OF ANALYSIS

**Product No.**

F2H045N

**Lot No.**

LG04A-FR

### CHROMIS 645 A – NHS Ester

**Comments:** Water soluble pentamethine cyanine with an intrinsic single negative charge. Used to label proteins, antibodies, drugs and nucleotides. Forms stable amide bonds with primary amines.

**CAS No:** 146368-14-1

**Mol. Formula:**  $C_{37}H_{42}N_3KO_{10}S_2$

**Mol. Weight:** 791.97

**$\lambda_{abs}$  (nm):** 648

**$\lambda_{em}$  (nm):** 667

**$\epsilon$  ( $M^{-1}cm^{-1}$ ):** 250000

**Assay:** Min. 95%

**Storage:** -20°C under Argon. Photosensitive

**Expiry Date:** Recommended retest 07/2019

| TEST                      | SPECIFICATIONS                    | LOT RESULT      |
|---------------------------|-----------------------------------|-----------------|
| Appearance (Colour/Form): | Blue solid                        | Blue solid      |
| $^1H$ -NMR:               | Conforms to structure<br>Min. 95% | Conform<br>>95% |

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Document Revision: 00

Approved:



Quality Control Technician

Reviewed:



Production Manager

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