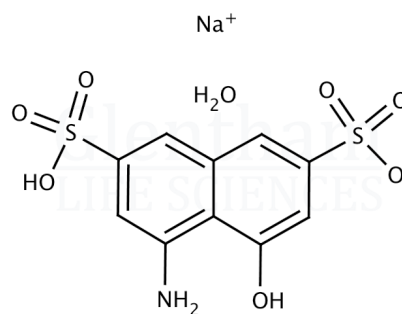


## Certificate of Analysis

|                    |                                                                          |
|--------------------|--------------------------------------------------------------------------|
| Product Name       | 4-Amino-5-hydroxy-2,7-naphthalenedisulfonic acid monosodium salt hydrate |
| Glentham Code      | GT6946                                                                   |
| CAS Number         | 312693-54-2                                                              |
| Numéro MDL         | MFCD00036444                                                             |
| CAS supplémentaire | 5460-09-3                                                                |
| PubChem SID        | 310266357                                                                |
| Batch Number       | 219BHD                                                                   |

|                   |                                  |
|-------------------|----------------------------------|
| Molecular Weight  | 341.28 (anhydrous)               |
| Molecular Formula | $C_{10}H_8NNaO_7S_2 \cdot xH_2O$ |
| Storage Temp.     | +20°C                            |



| Property             | Specification                    | Batch 219BHD |
|----------------------|----------------------------------|--------------|
| Physical Description | Grey to brown crystalline powder | Conforms     |
| Loss on Drying       | ≤ 6.0%                           | 5.1%         |
| Purity               | ≥ 80.0%                          | 87.4%        |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2015-09-24 |
| Re-Test Date          | 2020-09-24 |

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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