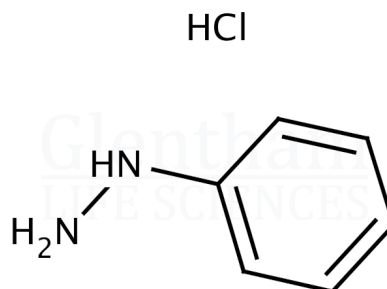


## Certificate of Analysis

|                   |                               |
|-------------------|-------------------------------|
| Product Name      | Phenylhydrazine hydrochloride |
| Glentham Code     | GT7091                        |
| CAS Number        | 59-88-1                       |
| EINECS            | 200-444-7                     |
| MDL Number        | MFCD00012924                  |
| PubChem SID       | 310278840                     |
| Batch Number      | 186ZHY                        |
| Molecular Weight  | 144.61                        |
| Molecular Formula | $C_6H_8N_2 \cdot HCl$         |
| Storage Temp.     | +20°C                         |



| Property                 | Specification                                    | Batch 186ZHY                               |
|--------------------------|--------------------------------------------------|--------------------------------------------|
| Physical Description     | White, off-white or beige crystalline powder     | Off-white to pale beige crystalline powder |
| Solubility (5% in water) | Clear, colourless to faint yellow-green solution | Conforms                                   |
| Iron (Fe)                | ≤ 0.005%                                         | 0.001%                                     |
| Residue on Ignition      | ≤ 0.1%                                           | 0.087%                                     |
| Loss on Drying           | ≤ 2.0% (105°C)                                   | 0.46%                                      |
| Assay                    | 98.5 - 101.5 %                                   | 99.18%                                     |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2018-04-01 |
| Re-Test Date          | 2028-04-18 |

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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