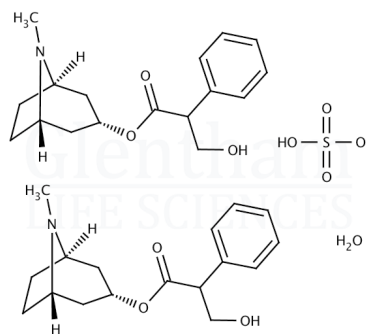


## Certificate of Analysis

|                |                              |
|----------------|------------------------------|
| Product Name   | Atropine sulfate monohydrate |
| Glentham Code  | GP0750                       |
| CAS Number     | 5908-99-6                    |
| EINECS         | 200-104-8                    |
| MDL Number     | MFCD00074815                 |
| Additional CAS | 55-48-1 (anhydrous)          |
| PubChem SID    | 310267113                    |
| Batch Number   | 756VTN                       |

|                   |   |
|-------------------|---|
| Molecular Weight  | 694.84  |
| Molecular Formula | $(C_{17}H_{23}NO_3)_2 \cdot H_2SO_4 \cdot H_2O$ |
| Storage Temp.     | +4°C  |



| Property                       | Specification                    | Batch 756VTN             |
|--------------------------------|----------------------------------|--------------------------|
| Physical Description           | White crystalline powder         | White crystalline powder |
| Assay                          | 98.5 - 101.5 % (anhydrous basis) | 100.2%                   |
| Identification                 | IR                               | Conforms                 |
|                                | Sulfate test                     | Conforms                 |
| Residue on Ignition            | ≤ 0.2%                           | 0.08%                    |
| Organic Impurities             | Other alkaloids: Conforms to USP | Conforms                 |
| Melting Point                  | ≥ 187.0°C                        | 193 °C                   |
| Specific Optical Rotation      | -0.60 - +0.05 °                  | Conforms                 |
| Acidity                        | ≤ 0.3ml                          | Conforms                 |
| Water                          | ≤ 4.0%                           | 1.17%                    |
| Pharmacopoeia Specification(s) | USP                              | Conforms                 |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2021-04-11 |
| Re-Test Date          | 2030-05-07 |

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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