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PureSynth®
Research Chemicals

# Certificate of Analysis

Product Name:
**Doxycycline Monohydrate Pur*Cert* Secondary Reference Standard (CRM)**
**[Includes all characterization data]**

| | |
|---|---|
| Product No.: | PSR50574 |
| Lot No.: | Sample COA |
| Brand: | PureSynth |
| CAS No.: | 17086-28-1 |
| Molecular Formula: | $C_{22}H_{24}N_2O_8 \cdot H_2O$ |
| Molecular Weight: | 462.45 g/mol |
| Date of Mfg.: | NA |
| Date of Exp.: | NA |

| Test | Specification | Result |
|---|---|---|
| Appearance | Yellow Powder or Crystals | Yellow Powder |
| Assay | ≥ 90.0 % | 92.85 % |
| Water (By KF) | NMT 5.0 % | 4.113 % |
| Potency | - | 88.74 % |
| Identification by $^1$H-NMR | Conforms to Structure | Conforms to Structure |
| Identification by Mass | Conforms to Molecular mass | Conforms to Molecular mass |
| Identification by IR | Conforms to Structure | Conforms to structure |

***Traceable to USP Reference standard 1225984, LOT NO: R15080**

**Remarks:**
This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications
The current Specification sheet may be available at www.pure-synth.com
Inspect on receipt

**Storage Condition:**
Store at a temperature of -20 $^{o}$C and keep the container tightly closed.

PureSynth Research Chemicals GmbH
*This is electronically-generated copy & is valid without a signature*

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com