

Certificate of Analysis

Product Name : Oxytetracycline dihydrate Assay (anhydrous basis) 95.0%-102.0%
Product Number : O4636-10G
Batch Number : 0000442951
 Source Batch : 498ZDN
 CAS Number : 6153-64-6
 MDL Number : MFCD00151234
 Molecular Formula : $C_{22}H_{24}N_2O_9 \cdot 2H_2O$
 Formula Weight : 496.46 g/mol
 Recommended Retest Date : Jan 2027
 Quality Release Date : 04 Feb 2024

| Test | Specification | Result |
|--------------------------------|----------------|----------|
| Appearance (Color) | Yellow | Yellow |
| Appearance (Form) | Conforms | Conforms |
| Powder or crystals | | |
| Sulfated Ash | ≤ 0.5 % | 0.1 % |
| Identification | Conforms | Conforms |
| TLC | | |
| Optical Rotation | -216 - -203 ° | -209 ° |
| UV Absorbance | 290 - 310 | 300 |
| (353 nm) | | |
| Water | 6.0 - 9.0 % | 7.4 % |
| Assay (HPLC Anhydrous Basis) | 95.0 - 102.0 % | 96.6 % |
| Results Provided by Supplier | ----- | ----- |
| Shelf Life Defined by Supplier | ----- | ----- |
| Handled & Packed Under ISO9001 | ----- | ----- |
| Released by | ----- | ----- |
| Retest date | | |

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale



Product O4636-10G
Batch 0000442951



Anna Bendersky, Quality Control Manager
Quality Control
Israel
IL

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Page 2 of 2

