

Certificate of Analysis

Oxytetracycline

Catalog No.: i88030

Lot No.: -

CAS No.: 79-57-2

EC No.: 201-212-8

Formula: $C_{22}H_{24}N_2O_9$

Molecular Weight: 460.434 g/mol

Shelf life: -

Expiration Date*: 1 Year

Test	Specification	Result
<i>Appearance</i>	deep yellow to light brown powder	Conforms
<i>pH</i>	no data available	-
<i>Density</i>	no data available	-
<i>Melting point</i>	184.5°C	Conforms
<i>Water solubility</i>	313 mg/L	Conforms
<i>Specific Optical Rotation</i> [α]($c = 1$ in 0.1 mol/L HCl, 20 °C, calculated on dry matter)	-216.0 to -203.0	Conforms
<i>Quantitative 1H-NMR</i> (calculated on dry matter)	Min. 94 %	Conforms
<i>1H-NMR Spectrum</i>	Conforms to Standards	Conforms
<i>13C-NMR Spectrum</i>	Conforms to Standards	Conforms

Storage: Keep container tightly closed in a dry, cool and well-ventilated place. Protected from light.

QC Department

*The expiration date of a standard is defined as the amount of time that it should remain in use after opening depending on the standard condition.