

Certificate of Analysis

Date of Testing: 2024-09-19 10:50:23

Date of Next Testing: 2028-09-18 10:50:23

Product Name: **Tubocurarine Chloride Pentahydrate**

CAS Number: 6989-98-6

Specifications & Purity: 98%

Lot #: I2409269

SKU #: **T161999**

Version: **2**

Analysis #: **379926**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.20 %
Water by Karl Fischer	10.0-13.0 (%)	10.90 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in H}_2\text{O})$	190-200 (°)	195.00 °
Purity(Nonaqueous Titration)	97.5-102.5 (%)	97.80 %
Appearance(T161999)	White to Light yellow to Light orange powder to crystal	White to Light yellow to Light orange powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager