

Certificate of Analysis

Date of Testing: 2025-05-09 14:19:04

Date of Next Testing: 2029-05-08 14:19:04

Product Name: **Tubocurarine Chloride Pentahydrate**

CAS Number: 6989-98-6

Specifications & Purity: $\geq 98\%$

Lot #: E2506298

SKU #: **T161999**

Version: **3**

Analysis #: **484840**

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

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	100.00 %
Water by Karl Fischer	10.0-13.0 (%)	10.87 %
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in H}_2\text{O})$	190-200 ($^{\circ}$)	197.40 $^{\circ}$
Carbon by Elemental Analysis	55.3-58.7 (%)	57.77 %
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



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QA & QC Manager