

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-16 09:34:57
 Date of Next Testing: 2024-06-15 09:34:57
 Product Name: **Tiagabine hydrochloride**
 CAS Number: 145821-59-6
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: F2214571
 SKU #: **T134804**
 Version: **0**
 Analysis #: **075327**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.87830 %
Purity(Neutralization titration)	97.5-102.5 (%)	99.50000 %
Melting point	189-194 (°C)	193.00000 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-12--9 (°)	-9.19000 °
Appearance (T134804)	white to beige powder or crystals	white to beige powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager