

## Certificate of Analysis

Date of Testing: 2023-04-12 13:18:55  
Date of Next Testing: 2027-04-11 13:18:55  
Product Name: **Clonidine hydrochloride**  
CAS Number: 4205-91-8  
Specifications & Purity: 98%  
Lot #: H1512132  
SKU #: **C102161**  
**Analysis:** **209663**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	98.20%
Nitrogen by Elemental Analysis	15.4-16.2 (%)	15.60%
Purity(HPLC)	98-100 (%)	98.10000%
Carbon by Elemental Analysis	39.5-41.6 (%)	40.10%
Appearance (C102161)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in pass H <sub>2</sub> O		Pass



John Su  
QA & QC Manager