

## Certificate of Analysis

Date of Testing: 2023-08-19 13:31:37  
Date of Next Testing: 2026-08-18 13:31:37  
Product Name: **(S)-3-Amino-2-piperidone hydrochloride**  
CAS Number: 42538-31-8  
Specifications & Purity: 95%  
Lot #: H2314219  
SKU #: **I170302**  
**Analysis:** **257078**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [ $\alpha$ ] <sub>20</sub> /D(c=0.6 in MeOH)	16-17 (°)	16.74°
Purity(Titration by AgNO <sub>3</sub> )	94-106 (%)	104.61 %
Appearance (I170302)	White to Light Yellow Powder or Chunks	White to Light Yellow Powder or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager