

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-30 14:10:10  
 Date of Next Testing: 2029-06-29 14:10:10  
 Product Name: **3-Methyl-2-benzothiazolinone hydrazone hydrochloride monohydrate**  
 CAS Number: 38894-11-0  
 Specifications & Purity: AR, ≥98%  
 Lot #: F2624463  
 SKU #: **M109065**  
 Version: **0**  
 Analysis #: **715639**  
 Storage Temperature: Store at 2-8°C, Protected from light

| Parameter                                              | Limit Values                                        | Result                                              |
|--------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Purity(HPLC)                                           | 98-100 (%)                                          | 99.88300 %                                          |
| Loss on drying                                         | 0-8 (%)                                             | 4.51079 %                                           |
| Purity(Argentmetric Titration)(calcd.on anh.substance) | 97.5-102.5 (%)                                      | 102.48000 %                                         |
| Appearance (M109065)                                   | Off-White to Pale Yellow Crystals, Powder or Flakes | Off-White to Pale Yellow Crystals, Powder or Flakes |
| Proton NMR spectrum                                    | Conforms to Structure                               | Conforms to Structure                               |
| Suitability for Aldehyde-analysis                      | pass                                                | Pass                                                |



John Su  
QA & QC Manager