

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-12-12 10:35:33  
Date of Next Testing: 2027-12-11 10:35:33  
Product Name: **bisBenzimide H 33342 trihydrochloride**  
CAS Number: 23491-52-3  
Specifications & Purity: 98%  
Lot #: C2004089  
SKU #: **B113845**  
**Analysis: 303247**  
Storage Temperature: Protected from light,Store at -20°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-16 (%)	12.50 %
Carbon by Elemental Analysis(anhydrous)	56.71-58.71 (%)	57.85 %
Purity(HPLC)	98-100 (%)	99.22100 %
Nitrogen by Elemental Analysis (anhydrous)	14.2-15.7 (%)	15.21 %
Appearance (B113845)	yellow powder	yellow powder
NMR (Solvent) D2O	Identity by NMR Consistent	Identity by NMR Consistent
Solubility in H2O , Yellow to Brown ,Slightly Hazy to Hazy ,50 mg/mL	pass	Pass



John Su  
QA & QC Manager