

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2024-10-28 16:09:21

Date of Next Testing: 2027-10-28 16:09:21

Product Name: **3-Ethyl-5-(2-hydroxyethyl)-4-methylthiazolium bromide**

CAS Number: 54016-70-5

Specifications & Purity: 98%

Lot #: J2415329

SKU #: **S48099**

Version: **0**

Analysis #: **427722**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.72700 %
Melting point	83-88 (°C)	83.20000 °C
Water by Karl Fischer	0-1 (%)	0.35 %
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	102.48 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , very faint turbidity	pass	Pass
Appearance(S48099)	White to Orange to Tan Solid	White to Orange to Tan Solid

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zhu

