

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2026-06-08 09:20:55

Date of Next Testing: 2028-06-08 09:20:55

Product Name: **1-Hexyl-3-methylimidazolium Bromide**

CAS Number: 85100-78-3

Specifications & Purity:  $\geq 98\%$

Lot #: E2529117

SKU #: **S51188**

Version **0**

Analysis #: **521733**

Storage Temperature: Room temperature, Argon charged

| Parameter                               | Limit Values                            | Result                                  |
|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Refractive index n <sub>20/D</sub>      | 1.532-1.536                             | 1.53                                    |
| Purity(Titration by AgNO <sub>3</sub> ) | 98-102.5 (%)                            | 102.38 %                                |
| Infrared spectrum                       | Conforms to Structure                   | Conforms to Structure                   |
| Proton NMR spectrum                     | Conforms to Structure                   | Conforms to Structure                   |
| Appearance(S51188)                      | Colorless to Pale Yellow Viscous Liquid | Colorless to Pale Yellow Viscous Liquid |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

