

# CERTIFICATE OF ANALYSIS

**Product Name:** 1-Butyl-1-methylpiperidinium chloride

**CAS Number:** 845790-13-8

**Product Number:** IL-0155-HP

**Lot:**

**Supplier:** IoLiTec  
Ionic Liquids Technologies GmbH  
Im Zukunftspark 9  
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## Analysis:

|  | Specification         |  |
|--|-----------------------|--|
| <b>Identity (NMR, IR)</b>                | pass                  |  |
| <b>Assay (NMR)</b>                       | 99%                   |  |
| <b>1-Butyl-1-methylpiperidinium (IC)</b> | >99%                  |  |
| <b>Chloride (IC)</b>                     | >99%                  |  |
| <b>Methylpiperidine (IC)</b>             | <1%                   |  |
| <b>Water (KF)</b>                        | <1%                   |  |
| <b>Appearance</b>                        | Yellow to brown solid |  |
| <b>Date</b>                              | 02.01.2008            |  |