

CERTIFICATE OF ANALYSIS

Product Name: 1-Methyl-1-propylpiperidinium chloride

CAS Number: 1383436-85-8

Product Number: IL-0151-HP

Lot:

Supplier: IoLiTec
Ionic Liquids Technologies GmbH
Im Zukunftspark 9
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Germany
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Analysis:

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