

CERTIFICATE OF ANALYSIS

Product Name: 1-Hexyl-1-methylpyrrolidinium
bis(trifluoromethylsulfonyl)imide

CAS Number: 380497-19-8

Product Number: IL-0092-HP

Lot:

Supplier: IoLiTec
Ionic Liquids Technologies GmbH
Im Zukunftspark 9
D-74076 Heilbronn
Germany
Phone: +49-(0)7131-89839-0
Fax: +49-(0)7131-89839-109
Email: info@iolitec.de

Analysis:

| | Specification | |
|--|-----------------------------|--|
| Identity (NMR, IR) | pass | |
| Assay (NMR) | 99% | |
| 1-Hexyl-1-methylpyrrolidinium (IC) | >99% | |
| Bis(trifluoromethylsulfonyl)imide (IC) | >99% | |
| Halides (IC) | <100 ppm | |
| Water (KF) | <100 ppm | |
| Appearance | Colourless to orange liquid | |
| Date | 09.07.2009 | |