

CERTIFICATE OF ANALYSIS

Product Name: 1-Methyl-3-pentylimidazolium
bis(trifluoromethylsulfonyl)imide

CAS Number: 280779-53-5

Product Number: IL-0300-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
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Analysis:

| | Specification | |
|--|----------------------------|--|
| Identity (NMR, IR) | pass | |
| Assay (NMR) | >99% | |
| 1-Methyl-3-pentylimidazolium (IC) | >99% | |
| Bis(trifluoromethylsulfonyl)imide (IC) | >99% | |
| Halides (IC) | <100 ppm | |
| Water (KF) | <100 ppm | |
| Appearance | Yellow to orange liquid | |
| Date | 20.06.2011 | |