

# CERTIFICATE OF ANALYSIS

**Product Name:** 1-Methyl-3-pentylimidazolium  
tetrafluoroborate

**CAS Number:** 244193-49-5

**Product Number:** IL-0303-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-Methyl-3-pentylimidazolium (IC) | >99%                       |  |
| Tetrafluoroborate (IC)            | >99%                       |  |
| Halides (IC)                      | <250 ppm                   |  |
| Water (KF)                        | <250 ppm                   |  |
| Appearance                        | Yellow to orange<br>liquid |  |
| Date                              | 01.03.2011                 |  |

