

CERTIFICATE OF ANALYSIS

Product Name: Choline acetate

CAS Number: 14586-35-7

Product Number: IL-0322-HP

Lot: **K00219.1.4**

Supplier: IoLiTec
Ionic Liquids Technologies GmbH
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Analysis:

| | Specification | |
|---------------------------|--------------------------|--|
| Identity (NMR, IR) | pass | |
| Assay (NMR) | 98% | |
| Choline | >98% | |
| Acetate | >98% | |
| Water (KF) | <1% | |
| Appearance | White to orange solid | |
| Date | 04.08.2010 | |