

CERTIFICATE OF ANALYSIS

Product Name: Lanthanum oxide powder

CAS Number: 1312-81-8

Product Number: NO-0042-UP

Supplier: IoLiTec
Ionic Liquids Technologies GmbH
Im Zukunftspark 9
D-74076 Heilbronn
Germany
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Analysis:

| | Specification | |
|------------------|-------------------------|--|
| Identity | pass | |
| Assay | 99.99% | |
| APS (TEM) | 15-30 nm | |
| SSA (BET) | 20-40 m ² /g | |
| Color | white | |
| Date | 03.04.2009 | |