

CERTIFICATE FUNCTIONAL SAFETY DATA SHEET®

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|-----------------------------------|--|
| Holder | SINOPEC |
| Safety Instrumented System | HIPPS |
| Location | SINOPEC, 22 Chaoyangmen North Street Chaoyang District Beijing China |
| Basis of Testing | IEC 61511:2003 |
| Assessment includes | <input checked="" type="checkbox"/> Management of Functional Safety <input checked="" type="checkbox"/> Hardware requirements <input checked="" type="checkbox"/> Reliability requirements <input checked="" type="checkbox"/> Logic requirements <input checked="" type="checkbox"/> User Documentation <input checked="" type="checkbox"/> Factory Acceptance Testing <input type="checkbox"/> Site Acceptance Testing |

Functional safety data

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|-----------------|--------------------------|
| SIF Identifier | HIPPS 1 |
| Safety function | See certification report |
| Mode | Demand mode |
| SIL | 3 |

Certification results

Risknowlogy certifies that the above Safety Instrumented Function meets the requirements of the Basis of Testing. The Risknowlogy certification report 233.126.4 is an integral part of this certificate.

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| Date | 2013.10.24 |
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Certifier