Schweizerische Eidgenossenschaft
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Federal Department of Justice and Police FDJP
Federal Office of Metrology METAS

Certificate of Conformity No 151-04687

Object	**Quantum Random Number Generator** Quantis-USB S/N 070222A410 Quantis-PCI-1 S/N 08338A310 Quantis-PCI Express S/N 1002251A210
Applicant	**id Quantique SA** Ch. De la Marbrerie 3 1227 Carouge/Geneva Switzerland
Requirements	The output of the Quantis random number generator has to pass all DIEHARD Battery of Tests, confirming that the random number generator distributes numbers with sufficient non-predictability, fair distribution and lack of bias to particular outcomes. Specifically: 10 data sets consisting of 1E8 bits per data set is considered to be random if none of the 234 p-values produced by the 15 DIEHARD Battery of Tests has a value between 1 and 1-epsilon, where epsilon is 1e-6.
Confirmation	The tested Quantis-USB, Quantis-PCI-1 and Quantis-PCI Express have passed all DIEHARD Battery of Tests. The sequence of random bits generated cannot be predicted. The sequence of random bits generated cannot be reproduced.
Remarks	The testing procedure used is described in the annex document "Annex_METAS_151-04687"

CH-3003 Bern-Wabern, 10 May 2010

For the Test

Dr.Damian Twerenbold

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Dr.Philippe Richard, Vice-Director

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