



# Certificate of Conformity No 151-04255

*Object*

**Quantum Random Number Generator**  
Quantis-USB S/N 070222A410  
Quantis-PCI-1 S/N 08338A310

*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 and Quantis-PCI-1 have passed all DIEHARD Battery of Tests.

*Remarks*

The testing procedure used is described in the annex document "Annex\_METAS\_151-04255"

CH-3003 Bern-Wabern, 24 June 2008

For the Test

Dr. Damian Twerenbold

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