

Certificate

ABB University Switzerland

This is to certify that

Pascal Probst

*has attended a course comprising
the following subjects:*

Computer Systems Validation

- GMP and CSV principles
- Risk management
- Design review
- Installation Qualification
- Operational Qualification

*Conducted by ABB Switzerland Ltd. in
Baden-Dättwil, Switzerland*

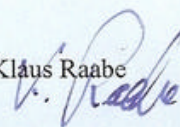
15. - 16. December 2003

Instructor:



Sam Brooks

Training manager:



Klaus Raabe



ABB