Operation Qualification Checklist

Profex Version 5.2
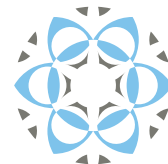
Profex version	
Hardware system identifier	
Operating system name and version	
Date of installation	
Date of operation qualification (OQ)	
OQ operator (signature)	
Quality management (signature)	

Document version: PX52-OQ-20230305
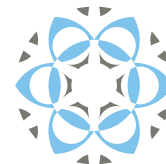
Operation Qualification

Step	Action	Expected outcome	Pass/Fail
1.1	Run the OQ wizard from ,,Tools → Operation Qualification (OQ) Wizard".	The wizard dialog opens.	
1.2	Click ,,Next".	Page ,,Step 1: Create Project" opens.	
1.2.1	Click ,,Create" and specify the location for the OQ project.	A scan file is loaded.	
1.3	Click ,,Next".	Page ,,Step 2: Reference Structures" opens.	
1.3.1	Select the ,,LaB6" structure from the reference structure combo box.	A structure with name ,,LaB6" is found.	
		Green *hkl* lines are displayed in the graph.	
		The *hkl* lines line up with the measured peaks.	
1.4	Click ,,Next".	Page ,,Step 3: Refinement preset" opens.	
1.4.1	Apply refinement preset ,,Profex-OQ-v*YYMMDD*".	A refinement control file is created and opened in a text editor behind the graph display.	
1.5	Click ,,Next".	Page ,,Step 4: Refinement" opens.	
1.5.1	Click ,,Run → Run Refinement" to start the refinement.	The refinement completes without error.	
		The margin of the graph turns green.	
		A χ^2 value of 0.93 is obtained.	

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