|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRESSURE/LEAK TEST RECORD | | | | | | | | | | FORM PS-7 | |
| TEST DESCRIPTION AND REQUIREMENTS | | | | | | | | | | | |
| Pressure System Number: PS-PHY-08-002 | | | | Drawing Number(s): 317111-JLA-001-001 | | | | | | | PAGE 1 OF |
| Project Name: 12 GeV SHMS Q2 | | | | | | | | | | | |
| System or component description (attach description if needed): Helium circuit | | | | | | | | | | | |
| Test boundaries (attach sketch if needed): | | | | | | | | | | | |
| Design temperature: 4.5 K | | | | | | Design pressure (MAWP): 5 atm (gauge) | | | | | |
| Test method: \_\_\_\_Hydrostatic \_x\_\_Pneumatic | | | | | | Relief Valve Setting: 93 psig | | | | | |
| Test fluid: Gas helium | | | | | | Applicable code: ASME Sec. VIII Div. 1 | | | | | |
| Required test pressure: 90 psig | | | | | | Test temperature: 295 K | | | | | |
| Test pressure as % of MAWP: 115% | | | | | | Ambient temperature: 295 K | | | | | |
| Elevation difference between highest point and gauge: | | | | | | | | | | |  |
| Required gauge pressure: | | | | | | | | | | |  |
| Test date: | | | Start time: | | | | | Actual gauge pressure: | | | |
| Required Duration: | | | Finish time: | | | | |
| SAFETY | | | | | | | | | | | |
| Test volume: 460 Liter | | | | | | Stored energy of test: 0.195 MJ | | | | | |
| SOP/OSP/TOSP Number (if required): | | | | | | | | | | | |
| TEST EQUIPMENT | | | | | | | | | | | |
| Type/Number: | Range: | | | | Cal date: | | Cal due date: | | | | |
|  |  | | | |  | |  | | | | |
| Leak Detection Method: \_\_Visual \_\_He leak test \_\_Bubble test \_\_He leak test (reverse) \_\_Other (attach procedure) | | | | | | | | | | | |
| Detector Calibration (if applicable): | | | | | | | | | | | |
| TEST ACCEPTANCE (name and signature) | | | | | | | | | | | |
| Pressure test result: \_\_\_\_Pass \_\_\_\_Fail | | | | | | | | | | | |
| Test Engineer: | |  | | | |  | | | Date : | | |
| Technician: | | | | | | | | | Date : | | |
| Witness: | |  | | | |  | | | Date : | | |

Calibration Records

|  |  |  |
| --- | --- | --- |
| Before pressure test | Leak rate of calibrated source |  |
| Response time |  |
| Leak rate detected by the leak detector |  |
| After pressure test | Leak rate of calibrated source |  |
| Response time |  |
| Leak rate detected by the leak detector |  |