

# Installation Qualification Protocol

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Page 5 of 7

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| <b>Test Script #</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IQ-05       | <b>IQ Test Name:</b>                                                 | General Safety and Alarms                                                                                                      |                           |
| <b>Equipment #</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TE0084040-2 | <b>Equipment Name:</b>                                               | METERING SYRINGE VALVE LEAK TESTER                                                                                             |                           |
| <b>Installation Site:</b> Venture Contract Manufacturing Site in Singapore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |                                                                      |                                                                                                                                |                           |
| <p><b>Purpose:</b><br/>To verify that the equipment can operate in a safe manner, within its designated location.</p> <p><b>Test Execution:</b></p> <ul style="list-style-type: none"> <li>List any additional safety related conditions or alarms in the Safety Inspection column, such as: guarding, interlocks, thermal or mechanical safety, chemical, secured gas tanks, restart or power loss, emergency stop, environmental exhaust, electrical safety, noise, safety labels, etc. Rows may be added as needed. EH&amp;S shall be consulted as necessary.</li> <li>List the associated safety requirement(s)/specification(s) in the Acceptance Criteria column.</li> <li>Perform an inspection/test of the equipment to assess its safety related conditions, then complete the table below.</li> </ul> <p><b>Objective Evidence:</b></p> <ul style="list-style-type: none"> <li>Completed IQ-05 Test Script Data Sheet</li> <li>Photo(s) of the secured glass bottles, tanks, etc., if applicable</li> <li>The source of any applicable Acceptance Criterion shall be summarized in the IQR if stored in SAP. If the source is not stored in SAP, at a minimum the page specifying the applicable Acceptance Criterion shall be provided as an attachment.</li> </ul> |             |                                                                      |                                                                                                                                |                           |
| <b>Safety Inspection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | <b>Acceptance Criteria</b>                                           | <b>Pass/Fail</b>                                                                                                               | <b>Initial &amp; Date</b> |
| Mechanical Safety/<br>Pinch Points/Sharp Edges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | None Found (or mitigated appropriately)                              | Pass                                                                                                                           | HZ 23 Jun 2020            |
| Glass Bottles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             | Secure                                                               | Pass                                                                                                                           | HZ 23 Jun 2020            |
| Waste Tanks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | Secure and located below the system                                  | Pass                                                                                                                           | HZ 23 Jun 2020            |
| Emergency Stop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             | System ceases operation upon<br>depressing the Emergency Stop button | N/A                                                                                                                            | HZ 23 Jun 2020            |
| Guarding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             | Shielding in place to prevent<br>hazard during operation             | N/A                                                                                                                            | HZ 23 Jun 2020            |
| <p><b>Comments:</b></p> <p>This tester is designed to running on low voltage (+24VDC) and all components are built inside enclosure box. So Emergency Stop and Guarding is not applicable for this validation.</p> <p style="text-align: right;"> 26 Jun 2020</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                                                                      |                                                                                                                                |                           |
| <b>Overall Test Conclusion</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |                                                                      | <p><b>Document No.:</b> TE0084040-2-IQR</p> <p><b>Iteration No.:</b> 00</p> <p><b>Attachment:</b> 7.13 <b>Page:</b> 1 of 1</p> |                           |
| <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |                                                                      |                                                                                                                                |                           |