

SAFETY VALVE TEST REPORT

Customer

Company:	AccuTEST
Plant:	AccuTEST Shop
Location:	AccuTEST area
Valve ID:	Shop Big Valve
Valve Serial Number:	abc123

1. Valve Information

Manufacturer:	
Model:	2500 & 2600
Orifice:	J
Size:	2-3
Name Plate Set Pressure:	1000.00 psi
Mean Seat Area:	1.66499 in ²

Valve Tolerances

2.

Code Standard	Size	Tolerance	Low Limit	High Limit
ASME Sec. I	> 300 psig, <= 1000 psig	+/- 10.00 psi	990 psi	1010 psi

Test Information

3.

#	Work Order	Technician	Load Cell	S/N	Calibrated	Acoustic S/N	Pressure Transducer	S/N	Calibrated	Code Standard
1-4	Andy K	Andy K	5000 lbs	abc123-5k	2026-07-07	AS-7283-1	1000 psig	ABC-123	2026-07-07	ASME Sec. I

Test Results

6.

4.

5.

#	Result	Test Type	Test	Line Pressure	Detection Type	Detection Force	Set Pressure	Tolerance	Deviation
1	FAIL	As Found	2026-08-25 14:37:22-04:00	744.23 psi	Acoustic (Relative)	399.32 lbf	984.07 psi	+/- 10.00 psi	-15.93 psi
2	FAIL	As Found	2026-08-25 14:39:29-04:00	741.58 psi	Acoustic (Relative)	405.12 lbf	984.90 psi	+/- 10.00 psi	-15.10 psi
3	FAIL	As Found	2026-08-25 14:43:35-04:00	740.96 psi	Acoustic (Relative)	406.65 lbf	985.19 psi	+/- 10.00 psi	-14.81 psi
4	FAIL	As Found	2026-08-25 14:48:53-04:00	670.27 psi	Manual	414.53 lbf	919.23 psi	+/- 10.00 psi	-80.77 psi

7.

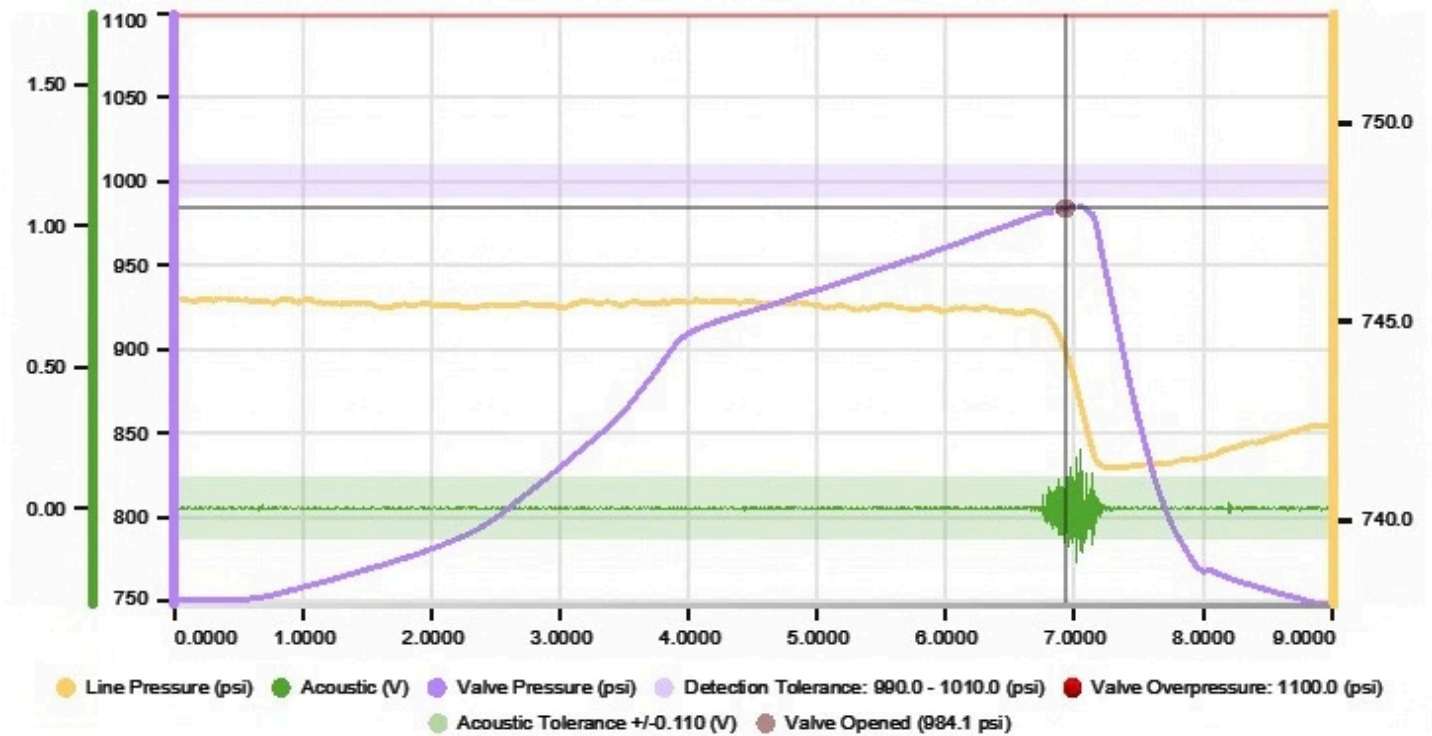
Valve Shop Big Valve was Found OUTSIDE tolerance.

Approved: _____

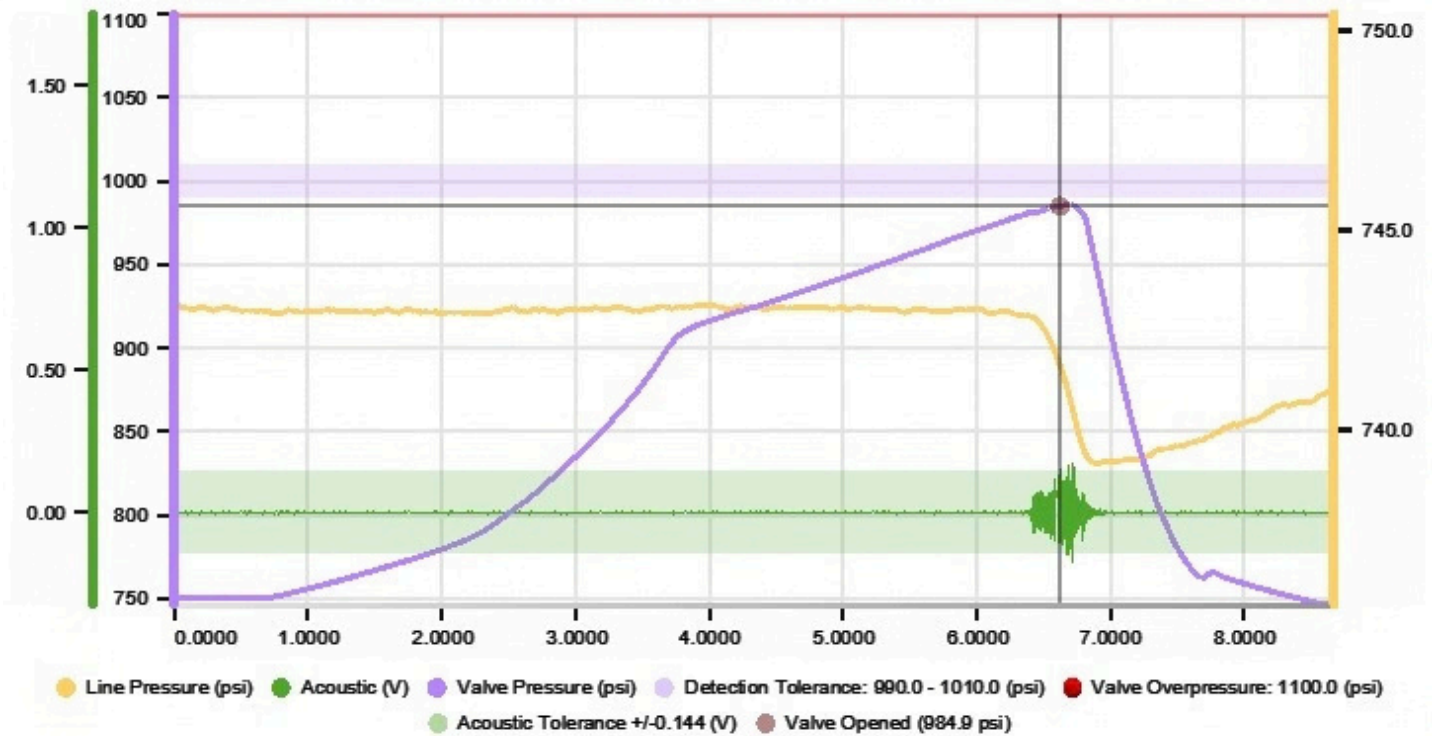
Date: _____

Accepted: _____

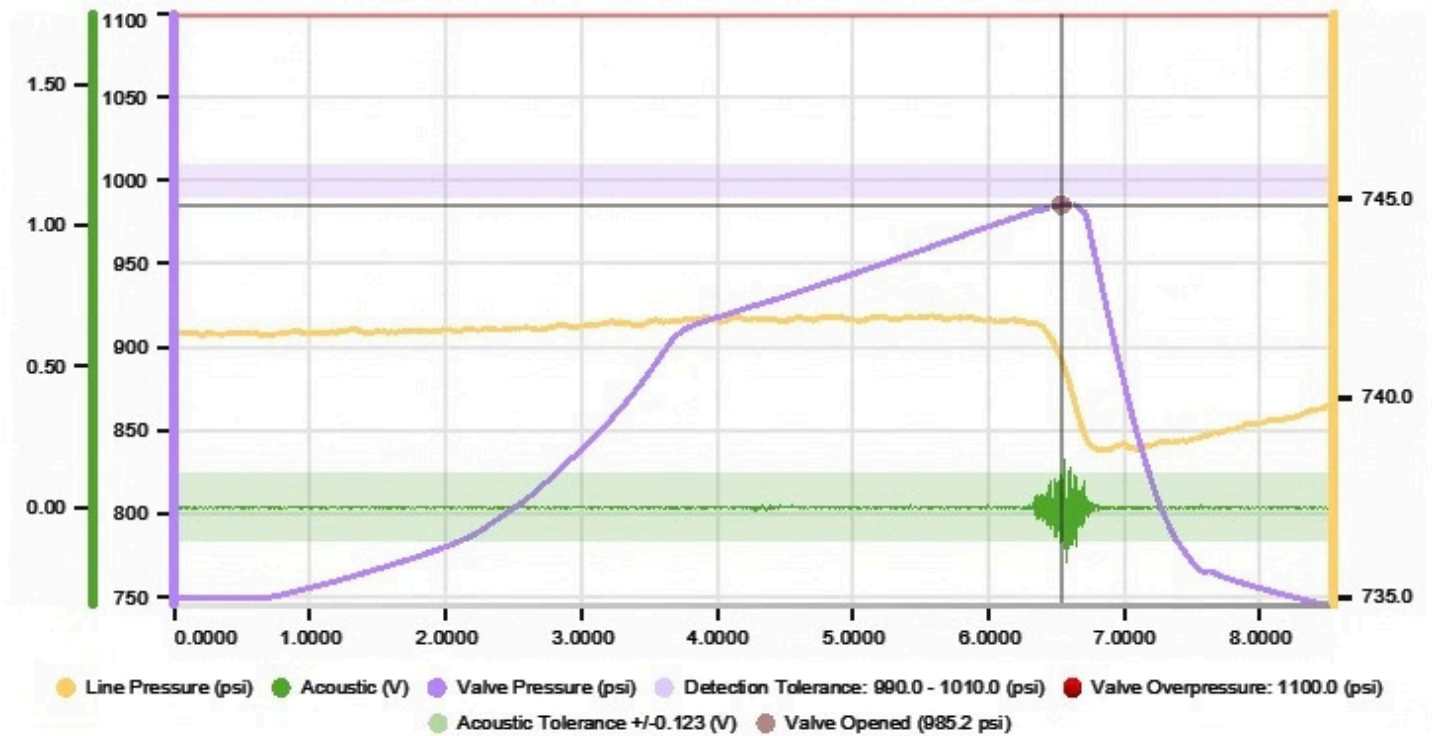
Date: _____



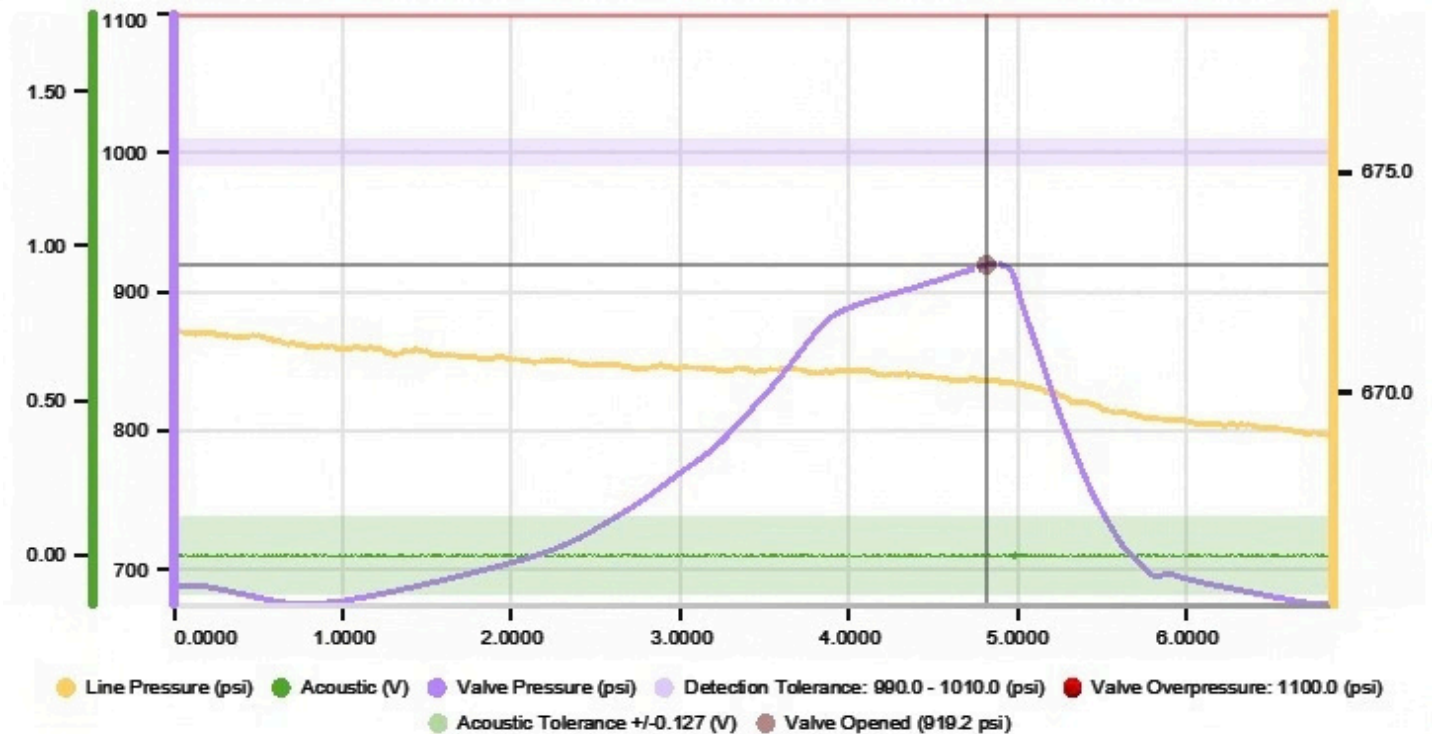
#	Result	Test Type	Test	Line Pressure	Detection Type	Detection Force	Set Pressure	Tolerance	Deviation
1	FAIL	As Found	2026-08-25 14:37:22-04:00	744.23 psi	Acoustic (Relative)	399.32 lbf	984.07 psi	+/- 10.00 psi	-15.93 psi



#	Result	Test Type	Test	Line Pressure	Detection Type	Detection Force	Set Pressure	Tolerance	Deviation
2	FAIL	As Found	2026-08-25 14:39:29-04:00	741.58 psi	Acoustic (Relative)	405.12 lbf	984.90 psi	+/- 10.00 psi	-15.10 psi



#	Result	Test Type	Test	Line Pressure	Detection Type	Detection Force	Set Pressure	Tolerance	Deviation
3	FAIL	As Found	2026-08-25 14:43:35-04:00	740.96 psi	Acoustic (Relative)	406.65 lbf	985.19 psi	+/- 10.00 psi	-14.81 psi



#	Result	Test Type	Test	Line Pressure	Detection Type	Detection Force	Set Pressure	Tolerance	Deviation
4	FAIL	As Found	2026-08-25 14:48:53-04:00	670.27 psi	Manual	414.53 lbf	919.23 psi	+/- 10.00 psi	-80.77 psi

Test Results Key:

What a Complete Safety Valve Test Report Should Show

1. Valve Identification

Valve ID, serial number, manufacturer, model, size, orifice, and nameplate set pressure.

2. Code & Acceptance Criteria

Applicable standard, allowable tolerance, and acceptable pressure range.

3. Test Equipment & Calibration

Load cell, pressure transducer, acoustic sensor, and relevant calibration information.

4. Test Conditions

Test type, date/time, line pressure, and other conditions needed to understand the result.

5. Detection Method & Force

How the valve opening was detected and the applied force at detection.

6. Calculated Result

Calculated set pressure, tolerance, deviation, and PASS/FAIL result for each test.

7. Repeatability

Results from multiple tests so the consistency of the measured set pressure can be evaluated.