

Manufacturer	KEITHLEY INSTRUMENTS	Calibration date	October 08 2018
Model Number	Model 2182	Ambient Temperature	23.17 °C
Serial	MFD	Relative Humidity	62.32 %
ID Number	MM2182	Pressure	1009.42
Notes	Check	Test type	HLK5720

This note is test dummy text block for further use. It allow to include user information for further reference

Reference standard	Mfg	Model	Options	Serial / Unc	CEID	Calibration date	Due date
MFC	HULK	5720A	03/HLK	E2E6	XC01	08/01/2018	09/01/2018
DMM	HP	3458A	001,X02	2823A13345	XD3	07/25/2018	01/25/2019
DC STD	xDevs.com	792X[2]	9.9999854 VDC	±2.2 ppm	XD01	02/16/2018	08/16/2018
Divider	Keithley	262	None	0000	XZ02	08/01/2018	08/01/2019

MFC last calibrated	1.0 days ago	MFC since DCV ZERO	0.0 days ago
MFC since WBFLAT	34.0 days ago	MFC since WBGAIN	35.0 days ago
MFC Confidence level	<b>24h 95% REL</b>	MFC Calibrate date	2018-10-08 00:00:00
MFC Calibrate date Zero	2018-10-09 00:00:00	Calibrate date WB Flatness	2018-09-05 00:00:00
Calibrate date WB Gain	2018-09-04 00:00:00	CAL CONST 6.5V reference voltage	6.95748344554
CAL CONST 13V reference voltage	13.8552947657	CAL CONST 22V range positive zero	398.17953
CAL CONST 22V range negative zero	398.17932	CAL CONST DAC Linearity	0.495409784196
CAL CONST 10KOHM true output resistance	9999.79327485	CAL CONST 10KOHM standard resistance	9998.74502876
CAL CONST, Zero calibration temperature	23.0	CAL CONST, All calibration temp	23.0

This note is test MFC dummy text block for further use.  
Calibrator was warmed up >8 hours.

Meter Info	KEITHLEY INSTRUMENTS INC.,MODEL 2182 ,0776251,A07 /A02	Test date start	08 October 2018 21:09
Test specification interval	<b>24 hour DUT spec</b>	Line frequency	60.0
Next calibration date	2019,10,07	Last calibration date	2018,10,07
DUT temperature to cal	-2.1	Last calibration temperature	+24.2

Service information

Last calibration temperature	+24.2
All CAL values	0
Reference	Guarded test
DUT Condition	test

Test procedure : \$Id: k2182.py | Rev 978 | 2018/10/08 20:41:31 tin\_fpga \$

Guard procedure : \$Id: hp3458g.py | Rev 979 | 2018/10/09 04:25:27 tin\_fpga \$

Source procedure : \$Id: f5720g.py | Rev 978 | 2018/10/08 20:41:31 tin\_fpga \$

**Main DC Voltage ranges performance test.**

Checks zero offset and +/-FS calibration on all ranges

The following test for the offset voltage specification using MFC 0V source in 4-wire ext sense mode as reference.

DCV gain range points verify gain of the DC voltage function, using uncorrected 24-hour MFC output. DC voltage offset of DUT is nulled before FS tests.

Test Description	Expected Value	Measured Value	Measurement Uncertainty	Lower Limit	Upper Limit	Deviation	DUT Spec	Test Status
CH1 Short 00 mVDC	0.0000000E+00	<b>0.10 µV</b>	7.27 µV	-8.470 µV	8.470 µV	N/A	1.20 µV	PASS
CH1 Short 000 mVDC	0.0000000E+00	<b>0.10 µV</b>	7.27 µV	-11.270 µV	11.270 µV	N/A	4.00 µV	PASS
CH1 Short 0.0 VDC	0.0000000E+00	<b>0.12 µV</b>	7.27 µV	-87.270 µV	87.270 µV	N/A	80.00 µV	PASS
CH1 Short 00.0 VDC	0.0000000E+00	<b>0.41 µV</b>	3.86 µV	-603.860 µV	603.860 µV	N/A	0.60 mV	PASS
CH1 Short 000.0 VDC	0.0000000E+00	<b>-30.42 µV</b>	3.86 µV	-6003.860 µV	6003.860 µV	N/A	6.00 mV	PASS
CH2 Short 000 mVDC	0.0000000E+00	<b>0.16 µV</b>	7.27 µV	-11.270 µV	11.270 µV	N/A	4.00 µV	PASS
CH2 Short 0.0 VDC	0.0000000E+00	<b>0.09 µV</b>	3.86 µV	-83.860 µV	83.860 µV	N/A	80.00 µV	PASS
CH2 Short 00.0 VDC	0.0000000E+00	<b>0.07 µV</b>	3.86 µV	-603.860 µV	603.860 µV	N/A	0.60 mV	PASS
DCV Test	0.01V-100V	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
0.001 VDC (0.010 Range)	0.0010000	<b>0.00099990257</b>	401.60 ppm	0.0009995744	0.0010004256	-97.430 ppm	24.00 ppm	PASS 22.89 %
0.005 VDC (0.010 Range)	0.0050000	<b>0.0049999205</b>	81.60 ppm	0.004999472	0.005000528	-15.892 ppm	24.00 ppm	PASS 15.05 %
0.01 VDC (0.010 Range)	0.0100000	<b>0.010000054</b>	41.60 ppm	0.009999344	0.010000656	5.440 ppm	24.00 ppm	PASS 8.29 %
-0.01 VDC (0.010 Range)	-0.0100000	<b>-0.010000084</b>	41.60 ppm	-0.010000656	-0.009999344	8.440 ppm	24.00 ppm	PASS 12.87 %
-0.005 VDC (0.010 Range)	-0.0050000	<b>-0.005000113</b>	81.60 ppm	-0.005000528	-0.004999472	22.608 ppm	24.00 ppm	PASS 21.41 %
-0.001 VDC (0.010 Range)	-0.0010000	<b>-0.0010001008</b>	401.60 ppm	-0.0010004256	-0.0009995744	100.770 ppm	24.00 ppm	PASS 23.68 %
0.01 VDC (0.100 Range)	0.0100000	<b>0.009999987</b>	41.60 ppm	0.009999454	0.010000546	-1.300 ppm	13.00 ppm	PASS 2.38 %
0.05 VDC (0.100 Range)	0.0500000	<b>0.050000884</b>	9.60 ppm	0.04999887	0.05000113	17.678 ppm	13.00 ppm	PASS 78.22 %
0.1 VDC (0.100 Range)	0.1000000	<b>0.10000116</b>	5.60 ppm	0.09999814	0.10000186	11.610 ppm	13.00 ppm	PASS 62.42 %
-0.1 VDC (0.100 Range)	-0.1000000	<b>-0.099999327</b>	5.60 ppm	-0.10000186	-0.09999814	-6.734 ppm	13.00 ppm	PASS 36.21 %
-0.05 VDC (0.100 Range)	-0.0500000	<b>-0.049999275</b>	9.60 ppm	-0.05000113	-0.04999887	-14.495 ppm	13.00 ppm	PASS 64.14 %
-0.01 VDC (0.100 Range)	-0.0100000	<b>-0.010000006</b>	41.60 ppm	-0.010000546	-0.009999454	0.600 ppm	13.00 ppm	PASS 1.10 %
0.1 VDC (1.000 Range)	0.1000000	<b>0.10000063</b>	8.60 ppm	0.09999824	0.10000176	6.325 ppm	9.00 ppm	PASS 35.94 %
0.5 VDC (1.000 Range)	0.5000000	<b>0.4999997</b>	3.00 ppm	0.499994	0.500006	-0.600 ppm	9.00 ppm	PASS 5.00 %
1 VDC (1.000 Range)	1.0000000	<b>0.99999967</b>	2.30 ppm	0.9999887	1.0000113	-0.332 ppm	9.00 ppm	PASS 2.94 %
-1 VDC (1.000 Range)	-1.0000000	<b>-0.999999001</b>	2.30 ppm	-1.0000113	-0.9999887	0.135 ppm	9.00 ppm	PASS 1.19 %
-0.5 VDC (1.000 Range)	-0.5000000	<b>-0.50000031</b>	3.00 ppm	-0.500006	-0.499994	0.624 ppm	9.00 ppm	PASS 5.20 %
-0.1 VDC (1.000 Range)	-0.1000000	<b>-0.099998631</b>	8.60 ppm	-0.10000176	-0.09999824	-13.690 ppm	9.00 ppm	PASS 77.78 %
1.0 VDC (10.000 Range)	1.0000000	<b>0.99999982</b>	3.30 ppm	0.9999937	1.0000063	-0.182 ppm	3.00 ppm	PASS 2.89 %
5 VDC (10.000 Range)	5.0000000	<b>4.9999966</b>	1.30 ppm	4.9999785	5.0000215	-0.684 ppm	3.00 ppm	PASS 15.91 %
10.0 VDC (10.000 Range)	10.0000000	<b>10.000003</b>	1.10 ppm	9.999959	10.000041	0.290 ppm	3.00 ppm	PASS 7.07 %
-10.0 VDC (10.000 Range)	-10.0000000	<b>-10.000009</b>	1.10 ppm	-10.000041	-9.999959	0.855 ppm	3.00 ppm	PASS 20.85 %
-5.0 VDC (10.000 Range)	-5.0000000	<b>-5.000001</b>	1.30 ppm	-5.0000215	-4.9999785	0.200 ppm	3.00 ppm	PASS 4.65 %
-1.0 VDC (10.000 Range)	-1.0000000	<b>-0.99999766</b>	3.30 ppm	-1.0000063	-0.9999937	-2.336 ppm	3.00 ppm	PASS 37.07 %
10 VDC (100.000 Range)	10.0000000	<b>10.000031</b>	5.60 ppm	9.999814	10.000186	3.145 ppm	13.00 ppm	PASS 16.91 %
50 VDC (100.000 Range)	50.0000000	<b>50.000084</b>	2.40 ppm	49.99923	50.00077	1.690 ppm	13.00 ppm	PASS 10.97 %
100 VDC (100.000 Range)	100.0000000	<b>100.00014</b>	2.00 ppm	99.9985	100.0015	1.385 ppm	13.00 ppm	PASS 9.23 %
-100 VDC (100.000 Range)	-100.0000000	<b>-100.00105</b>	2.00 ppm	-100.0015	-99.9985	10.515 ppm	13.00 ppm	PASS 70.10 %
-50 VDC (100.000 Range)	-50.0000000	<b>-50.000476</b>	2.40 ppm	-50.00077	-49.99923	9.529 ppm	13.00 ppm	PASS 61.88 %
-10 VDC (100.000 Range)	-10.0000000	<b>-10.000023</b>	5.60 ppm	-10.000186	-9.999814	2.300 ppm	13.00 ppm	PASS 12.37 %

DCV Test CH2	0.1V-10V	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
0.05 VDC (0.10 Range)	0.0500000	<b>0.05000122</b>	9.60 ppm	0.04999832	0.05000168	24.406 ppm	24.00 ppm	PASS 72.64 %
0.1 VDC (0.10 Range)	0.1000000	<b>0.10000149</b>	5.60 ppm	0.09999704	0.10000296	14.885 ppm	24.00 ppm	PASS 50.29 %
-0.1 VDC (0.10 Range)	-0.1000000	<b>-0.099999264</b>	5.60 ppm	-0.10000296	-0.09999704	-7.365 ppm	24.00 ppm	PASS 24.88 %
-0.05 VDC (0.10 Range)	-0.0500000	<b>-0.049999262</b>	9.60 ppm	-0.05000168	-0.04999832	-14.765 ppm	24.00 ppm	PASS 43.94 %
0.1 VDC (1.00 Range)	0.1000000	<b>0.10000069</b>	8.60 ppm	0.09999784	0.10000216	6.865 ppm	13.00 ppm	PASS 31.78 %
0.5 VDC (1.00 Range)	0.5000000	<b>0.50000027</b>	3.00 ppm	0.499992	0.500008	0.534 ppm	13.00 ppm	PASS 3.34 %
1 VDC (1.00 Range)	1.0000000	<b>1.0000011</b>	2.30 ppm	0.9999847	1.0000153	1.135 ppm	13.00 ppm	PASS 7.42 %
-1 VDC (1.00 Range)	-1.0000000	<b>-0.99999874</b>	2.30 ppm	-1.0000153	-0.9999847	-1.261 ppm	13.00 ppm	PASS 8.24 %
-0.5 VDC (1.00 Range)	-0.5000000	<b>-0.49999941</b>	3.00 ppm	-0.500008	-0.499992	-1.183 ppm	13.00 ppm	PASS 7.39 %
-0.1 VDC (1.00 Range)	-0.1000000	<b>-0.099998909</b>	8.60 ppm	-0.10000216	-0.09999784	-10.912 ppm	13.00 ppm	PASS 50.52 %
1.0 VDC (10.00 Range)	1.0000000	<b>0.99999994</b>	3.30 ppm	0.9999877	1.0000123	-0.063 ppm	9.00 ppm	PASS 0.52 %
5 VDC (10.00 Range)	5.0000000	<b>4.9999991</b>	1.30 ppm	4.9999485	5.0000515	-0.187 ppm	9.00 ppm	PASS 1.82 %
10.0 VDC (10.00 Range)	10.0000000	<b>10.00001</b>	1.10 ppm	9.999899	10.000101	0.980 ppm	9.00 ppm	PASS 9.70 %
-10.0 VDC (10.00 Range)	-10.0000000	<b>-10.000006</b>	1.10 ppm	-10.000101	-9.999899	0.630 ppm	9.00 ppm	PASS 6.24 %
-5.0 VDC (10.00 Range)	-5.0000000	<b>-5.000007</b>	1.30 ppm	-5.0000515	-4.9999485	1.397 ppm	9.00 ppm	PASS 13.56 %
-1.0 VDC (10.00 Range)	-1.0000000	<b>-1.0000009</b>	3.30 ppm	-1.0000123	-0.9999877	0.850 ppm	9.00 ppm	PASS 6.91 %

Additional test for DUT. DC Voltage Integral Linearity (INL) source adjusted using fixed 11V range and guard 3458A reference meter.

Keithley 262 Low-Thermal Divider used to improve uncertainty on 10mV range. 4W MFC connected to input, Ratio 10^3, POS Polarity selected

DCV Linearity	10 mV Range	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
10.25000 mV	0.010250	<b>0.0102501</b>	40.62 ppm	0.01024949	0.01025051	5.74 ppm	9.00 ppm	PASS 11.56 %
10.00000 mV	0.010000	<b>0.0100001</b>	41.60 ppm	0.009999494	0.01000051	5.44 ppm	9.00 ppm	PASS 10.75 %
9.75000 mV	0.009750	<b>0.0097500</b>	42.63 ppm	0.009749497	0.009750503	4.27 ppm	9.00 ppm	PASS 8.28 %
9.50000 mV	0.009500	<b>0.0095000</b>	43.71 ppm	0.009499499	0.009500501	1.96 ppm	9.00 ppm	PASS 3.71 %

9.25000 mV	0.009250	<b>0.0092500</b>	44.84 ppm	0.009249502	0.009250498	0.67 ppm	9.00 ppm	PASS 1.25 %
9.00000 mV	0.009000	<b>0.0090000</b>	46.04 ppm	0.008999505	0.009000495	1.35 ppm	9.00 ppm	PASS 2.46 %
8.75000 mV	0.008750	<b>0.0087500</b>	47.31 ppm	0.008749507	0.008750493	1.28 ppm	9.00 ppm	PASS 2.28 %
8.50000 mV	0.008500	<b>0.0085000</b>	48.66 ppm	0.00849951	0.00850049	-3.38 ppm	9.00 ppm	PASS 5.86 %
8.25000 mV	0.008250	<b>0.0082500</b>	50.08 ppm	0.008249513	0.008250487	-1.92 ppm	9.00 ppm	PASS 3.25 %
8.00000 mV	0.008000	<b>0.0080000</b>	51.60 ppm	0.007999515	0.008000485	-2.70 ppm	9.00 ppm	PASS 4.46 %
7.75000 mV	0.007750	<b>0.0077500</b>	53.21 ppm	0.007749518	0.007750482	-3.94 ppm	9.00 ppm	PASS 6.34 %
7.50000 mV	0.007500	<b>0.0075000</b>	54.93 ppm	0.007499521	0.007500479	-4.50 ppm	9.00 ppm	PASS 7.03 %
7.25000 mV	0.007250	<b>0.0072500</b>	56.77 ppm	0.007249523	0.007250477	-5.03 ppm	9.00 ppm	PASS 7.65 %
7.00000 mV	0.007000	<b>0.0070000</b>	58.74 ppm	0.006999526	0.007000474	-5.43 ppm	9.00 ppm	PASS 8.01 %
6.75000 mV	0.006750	<b>0.0067500</b>	60.86 ppm	0.006749528	0.006750472	-6.54 ppm	9.00 ppm	PASS 9.36 %
6.50000 mV	0.006500	<b>0.0065000</b>	63.14 ppm	0.006499531	0.006500469	-7.42 ppm	9.00 ppm	PASS 10.28 %
6.25000 mV	0.006250	<b>0.0062499</b>	65.60 ppm	0.006249534	0.006250466	-8.93 ppm	9.00 ppm	PASS 11.97 %
6.00000 mV	0.006000	<b>0.0059999</b>	68.27 ppm	0.005999536	0.006000464	-9.31 ppm	9.00 ppm	PASS 12.05 %
5.75000 mV	0.005750	<b>0.0057499</b>	71.17 ppm	0.005749539	0.005750461	-11.71 ppm	9.00 ppm	PASS 14.60 %
5.50000 mV	0.005500	<b>0.0054999</b>	74.33 ppm	0.005499542	0.005500458	-13.17 ppm	9.00 ppm	PASS 15.81 %
5.25000 mV	0.005250	<b>0.0052499</b>	77.79 ppm	0.005249544	0.005250456	-14.03 ppm	9.00 ppm	PASS 16.16 %
5.00000 mV	0.005000	<b>0.0049999</b>	81.60 ppm	0.004999547	0.005000453	-15.89 ppm	9.00 ppm	PASS 17.54 %
4.75000 mV	0.004750	<b>0.0047499</b>	85.81 ppm	0.00474955	0.00475045	-17.29 ppm	9.00 ppm	PASS 18.24 %
4.50000 mV	0.004500	<b>0.0044999</b>	90.49 ppm	0.004499552	0.004500448	-16.56 ppm	9.00 ppm	PASS 16.64 %
4.25000 mV	0.004250	<b>0.0042499</b>	95.72 ppm	0.004249555	0.004250445	-18.18 ppm	9.00 ppm	PASS 17.36 %
4.00000 mV	0.004000	<b>0.0039999</b>	101.60 ppm	0.003999558	0.004000442	-21.47 ppm	9.00 ppm	PASS 19.41 %
3.75000 mV	0.003750	<b>0.0037499</b>	108.27 ppm	0.00374956	0.00375044	-23.53 ppm	9.00 ppm	PASS 20.06 %
3.50000 mV	0.003500	<b>0.0034999</b>	115.89 ppm	0.003499563	0.003500437	-22.76 ppm	9.00 ppm	PASS 18.23 %
3.25000 mV	0.003250	<b>0.0032499</b>	124.68 ppm	0.003249566	0.003250434	-27.26 ppm	9.00 ppm	PASS 20.39 %
3.00000 mV	0.003000	<b>0.0029999</b>	134.93 ppm	0.002999568	0.003000432	-26.73 ppm	9.00 ppm	PASS 18.57 %
2.75000 mV	0.002750	<b>0.0027499</b>	147.05 ppm	0.002749571	0.002750429	-33.67 ppm	9.00 ppm	PASS 21.58 %
2.50000 mV	0.002500	<b>0.0024999</b>	161.60 ppm	0.002499573	0.002500427	-34.29 ppm	9.00 ppm	PASS 20.10 %
2.25000 mV	0.002250	<b>0.0022499</b>	179.38 ppm	0.002249576	0.002250424	-41.83 ppm	9.00 ppm	PASS 22.20 %
2.00000 mV	0.002000	<b>0.0019999</b>	201.60 ppm	0.001999579	0.002000421	-41.77 ppm	9.00 ppm	PASS 19.83 %
1.75000 mV	0.001750	<b>0.0017499</b>	230.17 ppm	0.001749581	0.001750419	-54.79 ppm	9.00 ppm	PASS 22.91 %
1.50000 mV	0.001500	<b>0.0014999</b>	268.27 ppm	0.001499584	0.001500416	-60.39 ppm	9.00 ppm	PASS 21.78 %
1.25000 mV	0.001250	<b>0.0012499</b>	321.60 ppm	0.001249587	0.001250413	-69.66 ppm	9.00 ppm	PASS 21.07 %
1.00000 mV	0.001000	<b>0.0009999</b>	401.60 ppm	0.0009995894	0.001000411	-97.43 ppm	9.00 ppm	PASS 23.73 %
0.75000 mV	0.000750	<b>0.0007499</b>	534.93 ppm	0.0007495921	0.0007504079	-129.94 ppm	9.00 ppm	PASS 23.89 %
0.50000 mV	0.000500	<b>0.0004999</b>	801.60 ppm	0.0004995947	0.0005004053	-194.27 ppm	9.00 ppm	PASS 23.97 %
0.25000 mV	0.000250	<b>0.0002499</b>	1601.60 ppm	0.0002495974	0.0002504026	-371.41 ppm	9.00 ppm	PASS 23.06 %
0.10000 mV	0.000100	<b>0.0000999</b>	4001.60 ppm	9.959894E-05	0.0001004011	-951.37 ppm	9.00 ppm	PASS 23.72 %
-0.25000 mV	-0.000250	<b>-0.0002501</b>	1601.60 ppm	-0.0002504026	-0.0002495974	385.38 ppm	9.00 ppm	PASS 23.93 %
-0.50000 mV	-0.000500	<b>-0.0005001</b>	801.60 ppm	-0.0005004053	-0.0004995947	165.45 ppm	9.00 ppm	PASS 20.41 %
-0.75000 mV	-0.000750	<b>-0.0007501</b>	534.93 ppm	-0.0007504079	-0.0007495921	125.41 ppm	9.00 ppm	PASS 23.06 %
-1.00000 mV	-0.001000	<b>-0.0010001</b>	401.60 ppm	-0.001000411	-0.0009995894	100.77 ppm	9.00 ppm	PASS 24.54 %
-1.25000 mV	-0.001250	<b>-0.0012501</b>	321.60 ppm	-0.001250413	-0.001249587	77.52 ppm	9.00 ppm	PASS 23.45 %
-1.50000 mV	-0.001500	<b>-0.0015001</b>	268.27 ppm	-0.001500416	-0.001499584	71.06 ppm	9.00 ppm	PASS 25.63 %
-1.75000 mV	-0.001750	<b>-0.0017501</b>	230.17 ppm	-0.001750419	-0.001749581	62.87 ppm	9.00 ppm	PASS 26.29 %
-2.00000 mV	-0.002000	<b>-0.0020001</b>	201.60 ppm	-0.002000421	-0.001999579	53.78 ppm	9.00 ppm	PASS 25.54 %
-2.25000 mV	-0.002250	<b>-0.0022501</b>	179.38 ppm	-0.002250424	-0.002249576	42.92 ppm	9.00 ppm	PASS 22.78 %
-2.50000 mV	-0.002500	<b>-0.0025001</b>	161.60 ppm	-0.002500427	-0.002499573	40.97 ppm	9.00 ppm	PASS 24.01 %
-2.75000 mV	-0.002750	<b>-0.0027501</b>	147.05 ppm	-0.002750429	-0.002749571	39.35 ppm	9.00 ppm	PASS 25.22 %
-3.00000 mV	-0.003000	<b>-0.0030001</b>	134.93 ppm	-0.003000432	-0.002999568	34.14 ppm	9.00 ppm	PASS 23.72 %
-3.25000 mV	-0.003250	<b>-0.0032501</b>	124.68 ppm	-0.003250434	-0.003249566	32.41 ppm	9.00 ppm	PASS 24.25 %
-3.50000 mV	-0.003500	<b>-0.0035001</b>	115.89 ppm	-0.003500437	-0.003499563	31.97 ppm	9.00 ppm	PASS 25.60 %
-3.75000 mV	-0.003750	<b>-0.0037501</b>	108.27 ppm	-0.00375044	-0.00374956	27.48 ppm	9.00 ppm	PASS 23.43 %
-4.00000 mV	-0.004000	<b>-0.0040001</b>	101.60 ppm	-0.004000442	-0.003999558	26.93 ppm	9.00 ppm	PASS 24.35 %
-4.25000 mV	-0.004250	<b>-0.0042501</b>	95.72 ppm	-0.004250445	-0.004249555	26.14 ppm	9.00 ppm	PASS 24.96 %
-4.50000 mV	-0.004500	<b>-0.0045001</b>	90.49 ppm	-0.004500448	-0.004499552	22.32 ppm	9.00 ppm	PASS 22.43 %
-4.75000 mV	-0.004750	<b>-0.0047501</b>	85.81 ppm	-0.00475045	-0.00474955	23.29 ppm	9.00 ppm	PASS 24.57 %
-5.00000 mV	-0.005000	<b>-0.0050001</b>	81.60 ppm	-0.005000453	-0.004999547	22.61 ppm	9.00 ppm	PASS 24.95 %
-5.25000 mV	-0.005250	<b>-0.0052501</b>	77.79 ppm	-0.005250456	-0.005249544	19.68 ppm	9.00 ppm	PASS 22.68 %
-5.50000 mV	-0.005500	<b>-0.0055001</b>	74.33 ppm	-0.005500458	-0.005499542	18.35 ppm	9.00 ppm	PASS 22.02 %
-5.75000 mV	-0.005750	<b>-0.0057501</b>	71.17 ppm	-0.005750461	-0.005749539	18.77 ppm	9.00 ppm	PASS 23.41 %
-6.00000 mV	-0.006000	<b>-0.0060001</b>	68.27 ppm	-0.006000464	-0.005999536	19.80 ppm	9.00 ppm	PASS 25.62 %
-6.25000 mV	-0.006250	<b>-0.0062501</b>	65.60 ppm	-0.006250466	-0.006249534	17.81 ppm	9.00 ppm	PASS 23.87 %
-6.50000 mV	-0.006500	<b>-0.0065001</b>	63.14 ppm	-0.006500469	-0.006499531	16.49 ppm	9.00 ppm	PASS 22.86 %
-6.75000 mV	-0.006750	<b>-0.0067501</b>	60.86 ppm	-0.006750472	-0.006749528	13.88 ppm	9.00 ppm	PASS 19.87 %
-7.00000 mV	-0.007000	<b>-0.0070001</b>	58.74 ppm	-0.007000474	-0.006999526	14.02 ppm	9.00 ppm	PASS 20.70 %
-7.25000 mV	-0.007250	<b>-0.0072501</b>	56.77 ppm	-0.007250477	-0.007249523	11.96 ppm	9.00 ppm	PASS 18.18 %
-7.50000 mV	-0.007500	<b>-0.0075001</b>	54.93 ppm	-0.007500479	-0.007499521	14.19 ppm	9.00 ppm	PASS 22.19 %
-7.75000 mV	-0.007750	<b>-0.0077501</b>	53.21 ppm	-0.007750482	-0.007749518	14.05 ppm	9.00 ppm	PASS 22.59 %
-8.00000 mV	-0.008000	<b>-0.0080001</b>	51.60 ppm	-0.008000485	-0.007999515	10.81 ppm	9.00 ppm	PASS 17.84 %
-8.25000 mV	-0.008250	<b>-0.0082501</b>	50.08 ppm	-0.008250487	-0.008249513	11.92 ppm	9.00 ppm	PASS 20.17 %
-8.50000 mV	-0.008500	<b>-0.0085001</b>	48.66 ppm	-0.00850049	-0.00849951	12.01 ppm	9.00 ppm	PASS 20.83 %

-8.75000 mV	-0.008750	<b>-0.0087501</b>	47.31 ppm	-0.008750493	-0.008749507	10.89 ppm	9.00 ppm	PASS 19.35 %
-9.00000 mV	-0.009000	<b>-0.0090001</b>	46.04 ppm	-0.009000495	-0.008999505	10.55 ppm	9.00 ppm	PASS 19.17 %
-9.25000 mV	-0.009250	<b>-0.0092501</b>	44.84 ppm	-0.009250498	-0.009249502	9.91 ppm	9.00 ppm	PASS 18.40 %
-9.50000 mV	-0.009500	<b>-0.0095001</b>	43.71 ppm	-0.009500501	-0.009499499	10.56 ppm	9.00 ppm	PASS 20.03 %
-9.75000 mV	-0.009750	<b>-0.0097501</b>	42.63 ppm	-0.009750503	-0.009749497	10.67 ppm	9.00 ppm	PASS 20.67 %
-10.00000 mV	-0.010000	<b>-0.0100001</b>	41.60 ppm	-0.01000051	-0.009999494	8.44 ppm	9.00 ppm	PASS 16.68 %
-10.25000 mV	-0.010250	<b>-0.0102501</b>	40.62 ppm	-0.01025051	-0.01024949	8.76 ppm	9.00 ppm	PASS 17.66 %

Additional test for DUT. DC Voltage Integral Linearity (INL) source adjusted using fixed 11V range and guard 3458A reference meter.

Keithley 262 Low-Thermal Divider used to improve uncertainty on 100mV range. 4W MFC connected to input, Ratio 10^2, POS Polarity selected

DCV Linearity	100 mV Range	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
102.50000 mV	0.102500	<b>0.1024994</b>	5.50 ppm	0.1024985	0.1025015	-6.22 ppm	9.00 ppm	PASS 42.93 %
100.00000 mV	0.100000	<b>0.1000010</b>	5.60 ppm	0.09999854	0.1000015	9.62 ppm	9.00 ppm	PASS 65.89 %
97.50000 mV	0.097500	<b>0.0974990</b>	5.70 ppm	0.09749857	0.09750143	-10.75 ppm	9.00 ppm	PASS 73.12 %
95.00000 mV	0.095000	<b>0.0949996</b>	5.81 ppm	0.09499859	0.09500141	-4.51 ppm	9.00 ppm	PASS 30.42 %
92.50000 mV	0.092500	<b>0.0924999</b>	5.92 ppm	0.09249862	0.09250138	-1.41 ppm	9.00 ppm	PASS 9.42 %
90.00000 mV	0.090000	<b>0.0899999</b>	6.04 ppm	0.08999865	0.09000135	-1.50 ppm	9.00 ppm	PASS 9.97 %
87.50000 mV	0.087500	<b>0.0874996</b>	6.17 ppm	0.08749867	0.08750133	-4.09 ppm	9.00 ppm	PASS 26.97 %
85.00000 mV	0.085000	<b>0.0849998</b>	6.31 ppm	0.0849987	0.0850013	-2.19 ppm	9.00 ppm	PASS 14.29 %
82.50000 mV	0.082500	<b>0.0824999</b>	6.45 ppm	0.08249873	0.08250127	-0.87 ppm	9.00 ppm	PASS 5.65 %
80.00000 mV	0.080000	<b>0.0799999</b>	6.60 ppm	0.07999875	0.08000125	-1.79 ppm	9.00 ppm	PASS 11.46 %
77.50000 mV	0.077500	<b>0.0775000</b>	6.76 ppm	0.07749878	0.07750122	-0.04 ppm	9.00 ppm	PASS 0.25 %
75.00000 mV	0.075000	<b>0.0749998</b>	6.93 ppm	0.07499881	0.07500119	-3.03 ppm	9.00 ppm	PASS 19.00 %
72.50000 mV	0.072500	<b>0.0725000</b>	7.12 ppm	0.07249883	0.07250117	-0.26 ppm	9.00 ppm	PASS 1.63 %
70.00000 mV	0.070000	<b>0.0699999</b>	7.31 ppm	0.06999886	0.07000114	-1.74 ppm	9.00 ppm	PASS 10.69 %
67.50000 mV	0.067500	<b>0.0675000</b>	7.53 ppm	0.06749888	0.06750112	-0.64 ppm	9.00 ppm	PASS 3.85 %
65.00000 mV	0.065000	<b>0.0650002</b>	7.75 ppm	0.06499891	0.06500109	2.86 ppm	9.00 ppm	PASS 17.08 %
62.50000 mV	0.062500	<b>0.0624999</b>	8.00 ppm	0.06249894	0.06250106	-1.42 ppm	9.00 ppm	PASS 8.38 %
60.00000 mV	0.060000	<b>0.0600001</b>	8.27 ppm	0.05999896	0.06000104	1.82 ppm	9.00 ppm	PASS 10.52 %
57.50000 mV	0.057500	<b>0.0574999</b>	8.56 ppm	0.05749899	0.05750101	-2.40 ppm	9.00 ppm	PASS 13.67 %
55.00000 mV	0.055000	<b>0.0550001</b>	8.87 ppm	0.05499902	0.05500098	1.11 ppm	9.00 ppm	PASS 6.21 %
52.50000 mV	0.052500	<b>0.0524999</b>	9.22 ppm	0.05249904	0.05250096	-1.79 ppm	9.00 ppm	PASS 9.83 %
50.00000 mV	0.050000	<b>0.0500000</b>	9.60 ppm	0.04999907	0.05000093	0.32 ppm	9.00 ppm	PASS 1.72 %
47.50000 mV	0.047500	<b>0.0474999</b>	10.02 ppm	0.0474991	0.0475009	-2.11 ppm	9.00 ppm	PASS 11.07 %
45.00000 mV	0.045000	<b>0.0450000</b>	10.49 ppm	0.04499912	0.04500088	0.20 ppm	9.00 ppm	PASS 1.03 %
42.50000 mV	0.042500	<b>0.0425000</b>	11.01 ppm	0.04249915	0.04250085	0.33 ppm	9.00 ppm	PASS 1.65 %
40.00000 mV	0.040000	<b>0.0400000</b>	11.60 ppm	0.03999918	0.04000082	-0.42 ppm	9.00 ppm	PASS 2.06 %
37.50000 mV	0.037500	<b>0.0374999</b>	12.27 ppm	0.0374992	0.0375008	-2.85 ppm	9.00 ppm	PASS 13.41 %
35.00000 mV	0.035000	<b>0.0350000</b>	13.03 ppm	0.03499923	0.03500077	-1.34 ppm	9.00 ppm	PASS 6.10 %
32.50000 mV	0.032500	<b>0.0324999</b>	13.91 ppm	0.03249926	0.03250074	-1.85 ppm	9.00 ppm	PASS 8.06 %
30.00000 mV	0.030000	<b>0.0300000</b>	14.93 ppm	0.02999928	0.03000072	-0.57 ppm	9.00 ppm	PASS 2.37 %
27.50000 mV	0.027500	<b>0.0275000</b>	16.15 ppm	0.02749931	0.02750069	-1.42 ppm	9.00 ppm	PASS 5.64 %
25.00000 mV	0.025000	<b>0.0249999</b>	17.60 ppm	0.02499934	0.02500067	-2.76 ppm	9.00 ppm	PASS 10.38 %
22.50000 mV	0.022500	<b>0.0225000</b>	19.38 ppm	0.02249936	0.02250064	-0.89 ppm	9.00 ppm	PASS 3.13 %
20.00000 mV	0.020000	<b>0.0199999</b>	21.60 ppm	0.01999939	0.02000061	-2.70 ppm	9.00 ppm	PASS 8.82 %
17.50000 mV	0.017500	<b>0.0175000</b>	24.46 ppm	0.01749941	0.01750059	-2.57 ppm	9.00 ppm	PASS 7.69 %
15.00000 mV	0.015000	<b>0.0149999</b>	28.27 ppm	0.01499944	0.01500056	-3.47 ppm	9.00 ppm	PASS 9.30 %
12.50000 mV	0.012500	<b>0.0125000</b>	33.60 ppm	0.01249947	0.01250053	-1.76 ppm	9.00 ppm	PASS 4.13 %
10.00000 mV	0.010000	<b>0.0100000</b>	41.60 ppm	0.009999494	0.01000051	-1.30 ppm	9.00 ppm	PASS 2.57 %
7.50000 mV	0.007500	<b>0.0075000</b>	54.93 ppm	0.007499521	0.007500479	-1.20 ppm	9.00 ppm	PASS 1.88 %
5.00000 mV	0.005000	<b>0.0050000</b>	81.60 ppm	0.004999547	0.005000453	1.00 ppm	9.00 ppm	PASS 1.10 %
2.50000 mV	0.002500	<b>0.0025000</b>	161.60 ppm	0.002499573	0.002500427	1.20 ppm	9.00 ppm	PASS 0.70 %
1.00000 mV	0.001000	<b>0.0010000</b>	401.60 ppm	0.0009995894	0.001000411	-1.00 ppm	9.00 ppm	PASS 0.24 %
-2.50000 mV	-0.002500	<b>-0.0025000</b>	161.60 ppm	-0.002500427	-0.002499573	-1.20 ppm	9.00 ppm	PASS 0.70 %
-5.00000 mV	-0.005000	<b>-0.0050000</b>	81.60 ppm	-0.005000453	-0.004999547	-7.40 ppm	9.00 ppm	PASS 8.17 %
-7.50000 mV	-0.007500	<b>-0.0075000</b>	54.93 ppm	-0.007500479	-0.007499521	2.67 ppm	9.00 ppm	PASS 4.17 %
-10.00000 mV	-0.010000	<b>-0.0100000</b>	41.60 ppm	-0.01000051	-0.009999494	0.60 ppm	9.00 ppm	PASS 1.19 %
-12.50000 mV	-0.012500	<b>-0.0125000</b>	33.60 ppm	-0.01250053	-0.01249947	-3.76 ppm	9.00 ppm	PASS 8.83 %
-15.00000 mV	-0.015000	<b>-0.0150000</b>	28.27 ppm	-0.01500056	-0.01499944	-2.73 ppm	9.00 ppm	PASS 7.33 %
-17.50000 mV	-0.017500	<b>-0.0175001</b>	24.46 ppm	-0.01750059	-0.01749941	4.34 ppm	9.00 ppm	PASS 12.98 %
-20.00000 mV	-0.020000	<b>-0.0200000</b>	21.60 ppm	-0.02000061	-0.01999939	1.10 ppm	9.00 ppm	PASS 3.59 %
-22.50000 mV	-0.022500	<b>-0.0225000</b>	19.38 ppm	-0.02250064	-0.02249936	-0.04 ppm	9.00 ppm	PASS 0.16 %
-25.00000 mV	-0.025000	<b>-0.0250001</b>	17.60 ppm	-0.02500067	-0.02499934	2.20 ppm	9.00 ppm	PASS 8.27 %
-27.50000 mV	-0.027500	<b>-0.0275002</b>	16.15 ppm	-0.02750069	-0.02749931	8.44 ppm	9.00 ppm	PASS 33.54 %
-30.00000 mV	-0.030000	<b>-0.0300000</b>	14.93 ppm	-0.03000072	-0.02999928	-0.03 ppm	9.00 ppm	PASS 0.14 %
-32.50000 mV	-0.032500	<b>-0.0325000</b>	13.91 ppm	-0.03250074	-0.03249926	1.08 ppm	9.00 ppm	PASS 4.70 %
-35.00000 mV	-0.035000	<b>-0.0350001</b>	13.03 ppm	-0.03500077	-0.03499923	2.63 ppm	9.00 ppm	PASS 11.93 %
-37.50000 mV	-0.037500	<b>-0.0375001</b>	12.27 ppm	-0.0375008	-0.0374992	2.35 ppm	9.00 ppm	PASS 11.03 %
-40.00000 mV	-0.040000	<b>-0.0400001</b>	11.60 ppm	-0.04000082	-0.03999918	1.63 ppm	9.00 ppm	PASS 7.89 %
-42.50000 mV	-0.042500	<b>-0.0425001</b>	11.01 ppm	-0.04250085	-0.04249915	2.14 ppm	9.00 ppm	PASS 10.70 %
-45.00000 mV	-0.045000	<b>-0.0450001</b>	10.49 ppm	-0.04500088	-0.04499912	1.51 ppm	9.00 ppm	PASS 7.75 %

-47.50000 mV	-0.047500	<b>-0.0475001</b>	10.02 ppm	-0.0475009	-0.0474991	1.35 ppm	9.00 ppm	PASS 7.08 %
-50.00000 mV	-0.050000	<b>-0.0499999</b>	9.60 ppm	-0.05000093	-0.04999907	-1.18 ppm	9.00 ppm	PASS 6.34 %
-52.50000 mV	-0.052500	<b>-0.0525001</b>	9.22 ppm	-0.05250096	-0.05249904	2.25 ppm	9.00 ppm	PASS 12.34 %
-55.00000 mV	-0.055000	<b>-0.0550000</b>	8.87 ppm	-0.05500098	-0.05499902	0.62 ppm	9.00 ppm	PASS 3.46 %
-57.50000 mV	-0.057500	<b>-0.0575000</b>	8.56 ppm	-0.05750101	-0.05749899	0.02 ppm	9.00 ppm	PASS 0.10 %
-60.00000 mV	-0.060000	<b>-0.0599999</b>	8.27 ppm	-0.06000104	-0.05999896	-1.55 ppm	9.00 ppm	PASS 8.98 %
-62.50000 mV	-0.062500	<b>-0.0625000</b>	8.00 ppm	-0.06250106	-0.06249894	0.70 ppm	9.00 ppm	PASS 4.14 %
-65.00000 mV	-0.065000	<b>-0.0650000</b>	7.75 ppm	-0.06500109	-0.06499891	0.00 ppm	9.00 ppm	PASS 0.00 %
-67.50000 mV	-0.067500	<b>-0.0675001</b>	7.53 ppm	-0.06750112	-0.06749888	1.59 ppm	9.00 ppm	PASS 9.59 %
-70.00000 mV	-0.070000	<b>-0.0700002</b>	7.31 ppm	-0.07000114	-0.06999886	2.90 ppm	9.00 ppm	PASS 17.78 %
-72.50000 mV	-0.072500	<b>-0.0724998</b>	7.12 ppm	-0.07250117	-0.07249883	-2.34 ppm	9.00 ppm	PASS 14.55 %
-75.00000 mV	-0.075000	<b>-0.0749999</b>	6.93 ppm	-0.07500119	-0.07499881	-1.52 ppm	9.00 ppm	PASS 9.54 %
-77.50000 mV	-0.077500	<b>-0.0774997</b>	6.76 ppm	-0.07750122	-0.07749878	-3.96 ppm	9.00 ppm	PASS 25.14 %
-80.00000 mV	-0.080000	<b>-0.0799996</b>	6.60 ppm	-0.08000125	-0.07999875	-5.37 ppm	9.00 ppm	PASS 34.46 %
-82.50000 mV	-0.082500	<b>-0.0825000</b>	6.45 ppm	-0.08250127	-0.08249873	-0.05 ppm	9.00 ppm	PASS 0.31 %
-85.00000 mV	-0.085000	<b>-0.0849998</b>	6.31 ppm	-0.08500133	-0.0849987	-2.91 ppm	9.00 ppm	PASS 18.98 %
-87.50000 mV	-0.087500	<b>-0.0875001</b>	6.17 ppm	-0.08750133	-0.08749867	0.79 ppm	9.00 ppm	PASS 5.20 %
-90.00000 mV	-0.090000	<b>-0.0899999</b>	6.04 ppm	-0.09000135	-0.08999865	-1.16 ppm	9.00 ppm	PASS 7.68 %
-92.50000 mV	-0.092500	<b>-0.0924997</b>	5.92 ppm	-0.09250138	-0.09249862	-3.01 ppm	9.00 ppm	PASS 20.14 %
-95.00000 mV	-0.095000	<b>-0.0949997</b>	5.81 ppm	-0.09500141	-0.09499859	-3.17 ppm	9.00 ppm	PASS 21.39 %
-97.50000 mV	-0.097500	<b>-0.0974993</b>	5.70 ppm	-0.09750143	-0.09749857	-6.92 ppm	9.00 ppm	PASS 47.10 %
-100.00000 mV	-0.100000	<b>-0.0999996</b>	5.60 ppm	-0.1000015	-0.09999854	-3.58 ppm	9.00 ppm	PASS 24.52 %
-102.50000 mV	-0.102500	<b>-0.1024997</b>	5.50 ppm	-0.1025015	-0.1024985	-3.04 ppm	9.00 ppm	PASS 20.99 %

Additional test for **combined DUT+MFC** DC Voltage Integral Linearity (INL) using fixed 10V range. Integral linearity is a measure of the device's deviation from ideal linear behaviour.

Direct connection between source and DUT. Source adjusted to 3458A Guard reference meter.

DCV Linearity	1V Range	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
1.000000 V	1.000000	<b>0.9999976</b>	2.30 ppm	0.9999887	1.000011	-2.39 ppm	9.00 ppm	PASS 21.16 %
0.975000 V	0.975000	<b>0.9749971</b>	2.32 ppm	0.974989	0.975011	-2.94 ppm	9.00 ppm	PASS 25.95 %
0.950000 V	0.950000	<b>0.9499992</b>	2.34 ppm	0.9499892	0.9500108	-0.80 ppm	9.00 ppm	PASS 7.05 %
0.925000 V	0.925000	<b>0.9249977</b>	2.36 ppm	0.9249895	0.9250105	-2.51 ppm	9.00 ppm	PASS 22.09 %
0.900000 V	0.900000	<b>0.8999987</b>	2.38 ppm	0.8999898	0.9000102	-1.40 ppm	9.00 ppm	PASS 12.31 %
0.875000 V	0.875000	<b>0.8750002</b>	2.40 ppm	0.87499	0.87501	0.25 ppm	9.00 ppm	PASS 2.23 %
0.850000 V	0.850000	<b>0.8499974</b>	2.42 ppm	0.8499903	0.8500097	-3.06 ppm	9.00 ppm	PASS 26.82 %
0.825000 V	0.825000	<b>0.8249992</b>	2.45 ppm	0.8249906	0.8250094	-0.99 ppm	9.00 ppm	PASS 8.64 %
0.800000 V	0.800000	<b>0.8000008</b>	2.48 ppm	0.7999908	0.8000092	0.96 ppm	9.00 ppm	PASS 8.36 %
0.775000 V	0.775000	<b>0.7749994</b>	2.50 ppm	0.7749911	0.7750089	-0.80 ppm	9.00 ppm	PASS 6.96 %
0.750000 V	0.750000	<b>0.7499986</b>	2.53 ppm	0.7499914	0.7500086	-1.83 ppm	9.00 ppm	PASS 15.84 %
0.725000 V	0.725000	<b>0.7249994</b>	2.57 ppm	0.7249916	0.7250084	-0.79 ppm	9.00 ppm	PASS 6.83 %
0.700000 V	0.700000	<b>0.7000000</b>	2.60 ppm	0.6999919	0.7000081	0.05 ppm	9.00 ppm	PASS 0.47 %
0.675000 V	0.675000	<b>0.6749993</b>	2.64 ppm	0.6749921	0.6750079	-1.01 ppm	9.00 ppm	PASS 8.69 %
0.650000 V	0.650000	<b>0.6499994</b>	2.68 ppm	0.6499924	0.6500076	-0.94 ppm	9.00 ppm	PASS 8.09 %
0.625000 V	0.625000	<b>0.6249995</b>	2.72 ppm	0.6249927	0.6250073	-0.82 ppm	9.00 ppm	PASS 7.02 %
0.600000 V	0.600000	<b>0.5999992</b>	2.77 ppm	0.5999929	0.6000071	-1.26 ppm	9.00 ppm	PASS 10.71 %
0.575000 V	0.575000	<b>0.5749999</b>	2.82 ppm	0.5749932	0.5750068	-0.16 ppm	9.00 ppm	PASS 1.38 %
0.550000 V	0.550000	<b>0.5499994</b>	2.87 ppm	0.5499935	0.5500065	-1.06 ppm	9.00 ppm	PASS 8.95 %
0.525000 V	0.525000	<b>0.5249989</b>	2.93 ppm	0.5249937	0.5250063	-2.04 ppm	9.00 ppm	PASS 17.08 %
0.500000 V	0.500000	<b>0.4999990</b>	3.00 ppm	0.499994	0.500006	-1.96 ppm	9.00 ppm	PASS 16.32 %
0.475000 V	0.475000	<b>0.4749992</b>	3.07 ppm	0.4749943	0.4750057	-1.67 ppm	9.00 ppm	PASS 13.87 %
0.450000 V	0.450000	<b>0.4499985</b>	3.16 ppm	0.4499945	0.4500055	-3.44 ppm	9.00 ppm	PASS 28.29 %
0.425000 V	0.425000	<b>0.4249994</b>	3.25 ppm	0.4249948	0.4250052	-1.45 ppm	9.00 ppm	PASS 11.81 %
0.400000 V	0.400000	<b>0.3999992</b>	3.35 ppm	0.3999951	0.4000049	-1.97 ppm	9.00 ppm	PASS 15.97 %
0.375000 V	0.375000	<b>0.3749989</b>	3.47 ppm	0.3749953	0.3750047	-3.02 ppm	9.00 ppm	PASS 24.19 %
0.350000 V	0.350000	<b>0.3499992</b>	3.60 ppm	0.3499956	0.3500044	-2.31 ppm	9.00 ppm	PASS 18.30 %
0.325000 V	0.325000	<b>0.3249995</b>	3.75 ppm	0.3249959	0.3250041	-1.67 ppm	9.00 ppm	PASS 13.08 %
0.300000 V	0.300000	<b>0.2999991</b>	3.93 ppm	0.2999961	0.3000039	-3.09 ppm	9.00 ppm	PASS 23.90 %
0.275000 V	0.275000	<b>0.2749990</b>	4.15 ppm	0.2749964	0.2750036	-3.49 ppm	9.00 ppm	PASS 26.55 %
0.250000 V	0.250000	<b>0.2499992</b>	4.40 ppm	0.2499966	0.2500034	-3.33 ppm	9.00 ppm	PASS 24.87 %
0.225000 V	0.225000	<b>0.2249988</b>	4.71 ppm	0.2249969	0.2250031	-5.30 ppm	9.00 ppm	PASS 38.67 %
0.200000 V	0.200000	<b>0.1999995</b>	5.10 ppm	0.1999972	0.2000028	-2.29 ppm	9.00 ppm	PASS 16.24 %
0.175000 V	0.175000	<b>0.1749996</b>	5.60 ppm	0.1749974	0.1750026	-2.52 ppm	9.00 ppm	PASS 17.26 %
0.150000 V	0.150000	<b>0.1499992</b>	6.27 ppm	0.1499977	0.1500023	-5.37 ppm	9.00 ppm	PASS 35.19 %
0.125000 V	0.125000	<b>0.1249996</b>	7.20 ppm	0.124998	0.125002	-3.21 ppm	9.00 ppm	PASS 19.80 %
0.100000 V	0.100000	<b>0.0999999</b>	8.60 ppm	0.09999824	0.1000018	-0.83 ppm	9.00 ppm	PASS 4.73 %
0.075000 V	0.075000	<b>0.0750001</b>	10.93 ppm	0.07499851	0.07500149	1.16 ppm	9.00 ppm	PASS 5.82 %
0.050000 V	0.050000	<b>0.0499998</b>	15.60 ppm	0.04999877	0.05000123	-3.04 ppm	9.00 ppm	PASS 12.35 %
0.025000 V	0.025000	<b>0.0249999</b>	29.60 ppm	0.02499904	0.02500096	-2.58 ppm	9.00 ppm	PASS 6.67 %
0.010000 V	0.010000	<b>0.0099999</b>	71.60 ppm	0.009999194	0.01000081	-11.25 ppm	9.00 ppm	PASS 13.96 %
-0.025000 V	-0.025000	<b>-0.0250001</b>	29.60 ppm	-0.02500096	-0.02499904	2.38 ppm	9.00 ppm	PASS 6.18 %
-0.050000 V	-0.050000	<b>-0.0500000</b>	15.60 ppm	-0.05000123	-0.04999877	0.04 ppm	9.00 ppm	PASS 0.18 %

-0.075000 V	-0.0750000	<b>-0.0750000</b>	10.93 ppm	-0.07500149	-0.07499851	-0.26 ppm	9.00 ppm	PASS 1.32 %
-0.100000 V	-0.1000000	<b>-0.0999999</b>	8.60 ppm	-0.1000018	-0.09999824	-1.37 ppm	9.00 ppm	PASS 7.80 %
-0.125000 V	-0.1250000	<b>-0.1250000</b>	7.20 ppm	-0.125002	-0.124998	0.31 ppm	9.00 ppm	PASS 1.93 %
-0.150000 V	-0.1500000	<b>-0.1500001</b>	6.27 ppm	-0.1500023	-0.1499977	0.94 ppm	9.00 ppm	PASS 6.16 %
-0.175000 V	-0.1750000	<b>-0.1750004</b>	5.60 ppm	-0.1750026	-0.1749974	2.41 ppm	9.00 ppm	PASS 16.52 %
-0.200000 V	-0.2000000	<b>-0.2000006</b>	5.10 ppm	-0.2000028	-0.1999972	2.87 ppm	9.00 ppm	PASS 20.35 %
-0.225000 V	-0.2250000	<b>-0.2250002</b>	4.71 ppm	-0.2250031	-0.2249969	0.73 ppm	9.00 ppm	PASS 5.32 %
-0.250000 V	-0.2500000	<b>-0.2500004</b>	4.40 ppm	-0.2500034	-0.2499966	1.70 ppm	9.00 ppm	PASS 12.72 %
-0.275000 V	-0.2750000	<b>-0.2750007</b>	4.15 ppm	-0.2750036	-0.2749964	2.37 ppm	9.00 ppm	PASS 18.00 %
-0.300000 V	-0.3000000	<b>-0.3000004</b>	3.93 ppm	-0.3000039	-0.2999961	1.35 ppm	9.00 ppm	PASS 10.44 %
-0.325000 V	-0.3250000	<b>-0.3250006</b>	3.75 ppm	-0.3250041	-0.3249959	1.92 ppm	9.00 ppm	PASS 15.03 %
-0.350000 V	-0.3500000	<b>-0.3500003</b>	3.60 ppm	-0.3500044	-0.3499956	1.00 ppm	9.00 ppm	PASS 7.91 %
-0.375000 V	-0.3750000	<b>-0.3750008</b>	3.47 ppm	-0.3750047	-0.3749953	2.26 ppm	9.00 ppm	PASS 18.16 %
-0.400000 V	-0.4000000	<b>-0.4000004</b>	3.35 ppm	-0.4000049	-0.3999951	1.00 ppm	9.00 ppm	PASS 8.10 %
-0.425000 V	-0.4250000	<b>-0.4250006</b>	3.25 ppm	-0.4250052	-0.4249948	1.34 ppm	9.00 ppm	PASS 10.93 %
-0.450000 V	-0.4500000	<b>-0.4500004</b>	3.16 ppm	-0.4500055	-0.4499945	0.96 ppm	9.00 ppm	PASS 7.88 %
-0.475000 V	-0.4750000	<b>-0.4749997</b>	3.07 ppm	-0.4750057	-0.4749943	-0.57 ppm	9.00 ppm	PASS 4.74 %
-0.500000 V	-0.5000000	<b>-0.5000006</b>	3.00 ppm	-0.500006	-0.499994	1.19 ppm	9.00 ppm	PASS 9.92 %
-0.525000 V	-0.5250000	<b>-0.5250010</b>	2.93 ppm	-0.5250063	-0.5249937	1.81 ppm	9.00 ppm	PASS 15.17 %
-0.550000 V	-0.5500000	<b>-0.5500003</b>	2.87 ppm	-0.5500065	-0.5499935	0.48 ppm	9.00 ppm	PASS 4.04 %
-0.575000 V	-0.5750000	<b>-0.5750006</b>	2.82 ppm	-0.5750068	-0.5749932	0.98 ppm	9.00 ppm	PASS 8.33 %
-0.600000 V	-0.6000000	<b>-0.6000000</b>	2.77 ppm	-0.6000071	-0.5999929	0.05 ppm	9.00 ppm	PASS 0.41 %
-0.625000 V	-0.6250000	<b>-0.6249993</b>	2.72 ppm	-0.6250073	-0.6249927	-1.10 ppm	9.00 ppm	PASS 9.38 %
-0.650000 V	-0.6500000	<b>-0.6499994</b>	2.68 ppm	-0.6500076	-0.6499924	-0.94 ppm	9.00 ppm	PASS 8.07 %
-0.675000 V	-0.6750000	<b>-0.6750004</b>	2.64 ppm	-0.6750079	-0.6749921	0.53 ppm	9.00 ppm	PASS 4.54 %
-0.700000 V	-0.7000000	<b>-0.7000003</b>	2.60 ppm	-0.7000081	-0.6999919	0.38 ppm	9.00 ppm	PASS 3.26 %
-0.725000 V	-0.7250000	<b>-0.7250005</b>	2.57 ppm	-0.7250084	-0.7249916	0.70 ppm	9.00 ppm	PASS 6.07 %
-0.750000 V	-0.7500000	<b>-0.7500003</b>	2.53 ppm	-0.7500086	-0.7499914	0.38 ppm	9.00 ppm	PASS 3.27 %
-0.775000 V	-0.7750000	<b>-0.7749987</b>	2.50 ppm	-0.7750089	-0.7749911	-1.71 ppm	9.00 ppm	PASS 14.84 %
-0.800000 V	-0.8000000	<b>-0.8000019</b>	2.48 ppm	-0.8000092	-0.7999908	2.43 ppm	9.00 ppm	PASS 21.21 %
-0.825000 V	-0.8250000	<b>-0.8249997</b>	2.45 ppm	-0.8250094	-0.8249906	-0.38 ppm	9.00 ppm	PASS 3.36 %
-0.850000 V	-0.8500000	<b>-0.8500000</b>	2.42 ppm	-0.8500097	-0.8499903	-0.02 ppm	9.00 ppm	PASS 0.13 %
-0.875000 V	-0.8750000	<b>-0.8749999</b>	2.40 ppm	-0.87501	-0.87499	-0.09 ppm	9.00 ppm	PASS 0.78 %
-0.900000 V	-0.9000000	<b>-0.8999999</b>	2.38 ppm	-0.9000102	-0.8999898	-0.16 ppm	9.00 ppm	PASS 1.38 %
-0.925000 V	-0.9250000	<b>-0.9249998</b>	2.36 ppm	-0.9250105	-0.9249895	-0.21 ppm	9.00 ppm	PASS 1.84 %
-0.950000 V	-0.9500000	<b>-0.9500009</b>	2.34 ppm	-0.9500108	-0.9499892	0.93 ppm	9.00 ppm	PASS 8.22 %
-0.975000 V	-0.9750000	<b>-0.9749998</b>	2.32 ppm	-0.975011	-0.974989	-0.19 ppm	9.00 ppm	PASS 1.65 %
-1.000000 V	-1.0000000	<b>-0.9999998</b>	2.30 ppm	-1.000011	-0.9999887	-0.22 ppm	9.00 ppm	PASS 1.95 %
-1.025000 V	-1.0250000	<b>-1.0250002</b>	2.28 ppm	-1.025012	-1.024988	0.16 ppm	9.00 ppm	PASS 1.38 %
DCV Linearity	10V Range	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
10.250000 V	10.250000	<b>10.2500056</b>	1.04 ppm	10.2499	10.2501	0.55 ppm	9.00 ppm	PASS 5.44 %
10.000000 V	10.000000	<b>10.0000022</b>	1.05 ppm	9.99899	10.0001	0.22 ppm	9.00 ppm	PASS 2.19 %
9.750000 V	9.750000	<b>9.7500040</b>	1.06 ppm	9.749902	9.750098	0.41 ppm	9.00 ppm	PASS 4.11 %
9.500000 V	9.500000	<b>9.5000040</b>	1.06 ppm	9.499904	9.500096	0.42 ppm	9.00 ppm	PASS 4.19 %
9.250000 V	9.250000	<b>9.2500047</b>	1.07 ppm	9.249907	9.250093	0.51 ppm	9.00 ppm	PASS 5.04 %
9.000000 V	9.000000	<b>9.0000076</b>	1.08 ppm	8.999909	9.000091	0.85 ppm	9.00 ppm	PASS 8.41 %
8.750000 V	8.750000	<b>8.7500037</b>	1.09 ppm	8.749912	8.750088	0.42 ppm	9.00 ppm	PASS 4.19 %
8.500000 V	8.500000	<b>8.5000048</b>	1.09 ppm	8.499914	8.500086	0.56 ppm	9.00 ppm	PASS 5.60 %
8.250000 V	8.250000	<b>8.2500066</b>	1.10 ppm	8.249917	8.250083	0.80 ppm	9.00 ppm	PASS 7.88 %
8.000000 V	8.000000	<b>8.0000031</b>	1.11 ppm	7.999919	8.000081	0.39 ppm	9.00 ppm	PASS 3.85 %
7.750000 V	7.750000	<b>7.7500056</b>	1.12 ppm	7.749922	7.750078	0.72 ppm	9.00 ppm	PASS 7.08 %
7.500000 V	7.500000	<b>7.5000071</b>	1.13 ppm	7.499924	7.500076	0.94 ppm	9.00 ppm	PASS 9.32 %
7.250000 V	7.250000	<b>7.2500045</b>	1.14 ppm	7.249926	7.250074	0.62 ppm	9.00 ppm	PASS 6.07 %
7.000000 V	7.000000	<b>7.0000033</b>	1.16 ppm	6.999929	7.000071	0.47 ppm	9.00 ppm	PASS 4.65 %
6.750000 V	6.750000	<b>6.7500019</b>	1.17 ppm	6.749931	6.750069	0.28 ppm	9.00 ppm	PASS 2.78 %
6.500000 V	6.500000	<b>6.5000019</b>	1.18 ppm	6.499934	6.500066	0.28 ppm	9.00 ppm	PASS 2.80 %
6.250000 V	6.250000	<b>6.2500009</b>	1.20 ppm	6.249936	6.250064	0.14 ppm	9.00 ppm	PASS 1.38 %
6.000000 V	6.000000	<b>5.9999998</b>	1.22 ppm	5.999939	6.000061	-0.03 ppm	9.00 ppm	PASS 0.31 %
5.750000 V	5.750000	<b>5.7500013</b>	1.23 ppm	5.749941	5.750059	0.23 ppm	9.00 ppm	PASS 2.24 %
5.500000 V	5.500000	<b>5.4999990</b>	1.25 ppm	5.499944	5.500056	-0.18 ppm	9.00 ppm	PASS 1.72 %
5.250000 V	5.250000	<b>5.2499984</b>	1.28 ppm	5.249946	5.250054	-0.31 ppm	9.00 ppm	PASS 3.02 %
5.000000 V	5.000000	<b>4.9999991</b>	1.30 ppm	4.999949	5.000051	-0.18 ppm	9.00 ppm	PASS 1.79 %
4.750000 V	4.750000	<b>4.7499975</b>	1.33 ppm	4.749951	4.750049	-0.53 ppm	9.00 ppm	PASS 5.16 %
4.500000 V	4.500000	<b>4.4999976</b>	1.36 ppm	4.499953	4.500047	-0.54 ppm	9.00 ppm	PASS 5.21 %
4.250000 V	4.250000	<b>4.2499965</b>	1.39 ppm	4.249956	4.250044	-0.82 ppm	9.00 ppm	PASS 7.86 %
4.000000 V	4.000000	<b>3.9999977</b>	1.42 ppm	3.999958	4.000042	-0.57 ppm	9.00 ppm	PASS 5.45 %
3.750000 V	3.750000	<b>3.7499962</b>	1.47 ppm	3.749961	3.750039	-1.02 ppm	9.00 ppm	PASS 9.70 %
3.500000 V	3.500000	<b>3.4999970</b>	1.51 ppm	3.499963	3.500037	-0.85 ppm	9.00 ppm	PASS 8.07 %
3.250000 V	3.250000	<b>3.2499954</b>	1.57 ppm	3.249966	3.250034	-1.40 ppm	9.00 ppm	PASS 13.27 %
3.000000 V	3.000000	<b>2.9999965</b>	1.63 ppm	2.999968	3.000032	-1.17 ppm	9.00 ppm	PASS 11.01 %
2.750000 V	2.750000	<b>2.7499959</b>	1.71 ppm	2.749971	2.750029	-1.49 ppm	9.00 ppm	PASS 13.92 %
2.500000 V	2.500000	<b>2.4999956</b>	1.80 ppm	2.499973	2.500027	-1.74 ppm	9.00 ppm	PASS 16.15 %

2.250000 V	2.250000	2.2499960	1.91 ppm	2.249975	2.250025	-1.76 ppm	9.00 ppm	PASS 16.17 %
2.000000 V	2.000000	1.9999958	2.05 ppm	1.999978	2.000022	-2.12 ppm	9.00 ppm	PASS 19.19 %
1.750000 V	1.750000	1.7499962	2.23 ppm	1.74998	1.75002	-2.18 ppm	9.00 ppm	PASS 19.44 %
1.500000 V	1.500000	1.4999974	2.47 ppm	1.499983	1.500017	-1.73 ppm	9.00 ppm	PASS 15.05 %
1.250000 V	1.250000	1.2499980	2.80 ppm	1.249985	1.250015	-1.58 ppm	9.00 ppm	PASS 13.36 %
1.000000 V	1.000000	1.0000005	3.30 ppm	0.9999877	1.000012	0.50 ppm	9.00 ppm	PASS 4.07 %
0.750000 V	0.750000	0.7500011	4.13 ppm	0.7499902	0.7500098	1.44 ppm	9.00 ppm	PASS 10.97 %
0.500000 V	0.500000	0.5000015	5.80 ppm	0.4999926	0.5000074	3.08 ppm	9.00 ppm	PASS 20.81 %
0.250000 V	0.250000	0.2500011	10.80 ppm	0.249995	0.250005	4.40 ppm	9.00 ppm	PASS 22.22 %
0.100000 V	0.100000	0.1000009	25.80 ppm	0.09999652	0.1000035	8.78 ppm	9.00 ppm	PASS 25.23 %
-0.100000 V	-0.100000	-0.0999990	25.80 ppm	-0.1000035	-0.09999652	-10.37 ppm	9.00 ppm	PASS 29.80 %
-0.250000 V	-0.250000	-0.2499983	10.80 ppm	-0.250005	-0.249995	-6.70 ppm	9.00 ppm	PASS 33.86 %
-0.500000 V	-0.500000	-0.4999987	5.80 ppm	-0.5000074	-0.4999926	-2.53 ppm	9.00 ppm	PASS 17.07 %
-0.750000 V	-0.750000	-0.7499993	4.13 ppm	-0.7500098	-0.7499902	-0.98 ppm	9.00 ppm	PASS 7.47 %
-1.000000 V	-1.000000	-1.0000000	3.30 ppm	-1.000012	-0.9999877	0.05 ppm	9.00 ppm	PASS 0.41 %
-1.250000 V	-1.250000	-1.2499997	2.80 ppm	-1.250015	-1.249985	-0.26 ppm	9.00 ppm	PASS 2.17 %
-1.500000 V	-1.500000	-1.5000013	2.47 ppm	-1.500017	-1.499983	0.85 ppm	9.00 ppm	PASS 7.38 %
-1.750000 V	-1.750000	-1.7500030	2.23 ppm	-1.75002	-1.74998	1.69 ppm	9.00 ppm	PASS 15.06 %
-2.000000 V	-2.000000	-2.0000036	2.05 ppm	-2.000022	-1.999978	1.79 ppm	9.00 ppm	PASS 16.24 %
-2.250000 V	-2.250000	-2.2500033	1.91 ppm	-2.250025	-2.249975	1.47 ppm	9.00 ppm	PASS 13.48 %
-2.500000 V	-2.500000	-2.5000056	1.80 ppm	-2.500027	-2.499973	2.26 ppm	9.00 ppm	PASS 20.89 %
-2.750000 V	-2.750000	-2.7500046	1.71 ppm	-2.750029	-2.749971	1.67 ppm	9.00 ppm	PASS 15.58 %
-3.000000 V	-3.000000	-3.0000070	1.63 ppm	-3.000032	-2.999968	2.33 ppm	9.00 ppm	PASS 21.92 %
-3.250000 V	-3.250000	-3.2500066	1.57 ppm	-3.250034	-3.249966	2.02 ppm	9.00 ppm	PASS 19.10 %
-3.500000 V	-3.500000	-3.5000063	1.51 ppm	-3.500037	-3.499963	1.79 ppm	9.00 ppm	PASS 17.02 %
-3.750000 V	-3.750000	-3.7500065	1.47 ppm	-3.750039	-3.749961	1.74 ppm	9.00 ppm	PASS 16.66 %
-4.000000 V	-4.000000	-4.0000032	1.42 ppm	-4.000042	-3.999958	0.81 ppm	9.00 ppm	PASS 7.75 %
-4.250000 V	-4.250000	-4.2500069	1.39 ppm	-4.250044	-4.249956	1.62 ppm	9.00 ppm	PASS 15.60 %
-4.500000 V	-4.500000	-4.5000045	1.36 ppm	-4.500047	-4.499953	0.99 ppm	9.00 ppm	PASS 9.59 %
-4.750000 V	-4.750000	-4.7500051	1.33 ppm	-4.750049	-4.749951	1.08 ppm	9.00 ppm	PASS 10.41 %
-5.000000 V	-5.000000	-5.0000045	1.30 ppm	-5.000051	-4.999949	0.90 ppm	9.00 ppm	PASS 8.72 %
-5.250000 V	-5.250000	-5.2500042	1.28 ppm	-5.250054	-5.249946	0.80 ppm	9.00 ppm	PASS 7.80 %
-5.500000 V	-5.500000	-5.5000053	1.25 ppm	-5.500056	-5.499944	0.97 ppm	9.00 ppm	PASS 9.47 %
-5.750000 V	-5.750000	-5.7500049	1.23 ppm	-5.750059	-5.749941	0.85 ppm	9.00 ppm	PASS 8.26 %
-6.000000 V	-6.000000	-6.0000064	1.22 ppm	-6.000061	-5.999939	1.06 ppm	9.00 ppm	PASS 10.40 %
-6.250000 V	-6.250000	-6.2500037	1.20 ppm	-6.250064	-6.249936	0.59 ppm	9.00 ppm	PASS 5.76 %
-6.500000 V	-6.500000	-6.5000055	1.18 ppm	-6.500066	-6.499934	0.85 ppm	9.00 ppm	PASS 8.31 %
-6.750000 V	-6.750000	-6.7500032	1.17 ppm	-6.750069	-6.749931	0.47 ppm	9.00 ppm	PASS 4.63 %
-7.000000 V	-7.000000	-7.0000031	1.16 ppm	-7.000071	-6.999929	0.44 ppm	9.00 ppm	PASS 4.33 %
-7.250000 V	-7.250000	-7.2500030	1.14 ppm	-7.250074	-7.249926	0.41 ppm	9.00 ppm	PASS 4.04 %
-7.500000 V	-7.500000	-7.5000031	1.13 ppm	-7.500076	-7.499924	0.42 ppm	9.00 ppm	PASS 4.11 %
-7.750000 V	-7.750000	-7.7500057	1.12 ppm	-7.750078	-7.749922	0.74 ppm	9.00 ppm	PASS 7.31 %
-8.000000 V	-8.000000	-8.0000050	1.11 ppm	-8.000081	-7.999919	0.62 ppm	9.00 ppm	PASS 6.18 %
-8.250000 V	-8.250000	-8.2500046	1.10 ppm	-8.250083	-8.249917	0.56 ppm	9.00 ppm	PASS 5.57 %
-8.500000 V	-8.500000	-8.5000049	1.09 ppm	-8.500086	-8.499914	0.58 ppm	9.00 ppm	PASS 5.76 %
-8.750000 V	-8.750000	-8.7500024	1.09 ppm	-8.750088	-8.749912	0.27 ppm	9.00 ppm	PASS 2.72 %
-9.000000 V	-9.000000	-9.0000046	1.08 ppm	-9.000091	-8.999909	0.51 ppm	9.00 ppm	PASS 5.08 %
-9.250000 V	-9.250000	-9.2500043	1.07 ppm	-9.250093	-9.249907	0.47 ppm	9.00 ppm	PASS 4.64 %
-9.500000 V	-9.500000	-9.5000060	1.06 ppm	-9.500096	-9.499904	0.63 ppm	9.00 ppm	PASS 6.25 %
-9.750000 V	-9.750000	-9.7500062	1.06 ppm	-9.750098	-9.749902	0.64 ppm	9.00 ppm	PASS 6.36 %
-10.000000 V	-10.000000	-10.0000064	1.05 ppm	-10.0001	-9.999899	0.64 ppm	9.00 ppm	PASS 6.37 %
-10.250000 V	-10.250000	-10.2500068	1.04 ppm	-10.2501	-10.2499	0.66 ppm	9.00 ppm	PASS 6.61 %
<b>DCV Linearity</b>	<b>100V Range</b>	<b>DUT</b>	<b>Source unc.</b>	<b>Low Limit</b>	<b>Hi limit</b>	<b>Measured</b>	<b>24h spec</b>	<b>Result</b>
102.5000 V	102.5000	102.49982	1.99 ppm	102.49887	102.50113	-1.74 ppm	9.00 ppm	PASS 15.63 %
100.0000 V	100.0000	99.99984	2.00 ppm	99.9989	100.0011	-1.57 ppm	9.00 ppm	PASS 14.28 %
97.5000 V	97.5000	97.49984	2.01 ppm	97.498927	97.501073	-1.66 ppm	9.00 ppm	PASS 15.11 %
95.0000 V	95.0000	94.99994	2.02 ppm	94.998953	95.001047	-0.67 ppm	9.00 ppm	PASS 6.08 %
92.5000 V	92.5000	92.49996	2.03 ppm	92.49898	92.50102	-0.42 ppm	9.00 ppm	PASS 3.76 %
90.0000 V	90.0000	89.99997	2.04 ppm	89.999006	90.000994	-0.38 ppm	9.00 ppm	PASS 3.40 %
87.5000 V	87.5000	87.49996	2.06 ppm	87.499032	87.500968	-0.43 ppm	9.00 ppm	PASS 3.90 %
85.0000 V	85.0000	84.99976	2.07 ppm	84.999059	85.000941	-2.85 ppm	9.00 ppm	PASS 25.74 %
82.5000 V	82.5000	82.49998	2.08 ppm	82.499086	82.500914	-0.26 ppm	9.00 ppm	PASS 2.35 %
80.0000 V	80.0000	80.00001	2.10 ppm	79.999112	80.000888	0.11 ppm	9.00 ppm	PASS 0.97 %
77.5000 V	77.5000	77.49999	2.12 ppm	77.499138	77.500862	-0.18 ppm	9.00 ppm	PASS 1.59 %
75.0000 V	75.0000	75.00004	2.13 ppm	74.999165	75.000835	0.55 ppm	9.00 ppm	PASS 4.90 %
72.5000 V	72.5000	72.49999	2.15 ppm	72.499192	72.500808	-0.10 ppm	9.00 ppm	PASS 0.88 %
70.0000 V	70.0000	70.00001	2.17 ppm	69.999218	70.000782	0.18 ppm	9.00 ppm	PASS 1.57 %
67.5000 V	67.5000	67.49997	2.19 ppm	67.499245	67.500755	-0.47 ppm	9.00 ppm	PASS 4.21 %
65.0000 V	65.0000	65.00001	2.22 ppm	64.999271	65.000729	0.12 ppm	9.00 ppm	PASS 1.04 %
62.5000 V	62.5000	62.50004	2.24 ppm	62.499297	62.500703	0.68 ppm	9.00 ppm	PASS 6.05 %
60.0000 V	60.0000	60.00001	2.27 ppm	59.999324	60.000676	0.13 ppm	9.00 ppm	PASS 1.17 %
57.5000 V	57.5000	57.50005	2.30 ppm	57.49935	57.50065	0.95 ppm	9.00 ppm	PASS 8.42 %



55.0000 V	55.0000	<b>55.00001</b>	2.33 ppm	54.999377	55.000623	0.12 ppm	9.00 ppm	PASS 1.09 %
52.5000 V	52.5000	<b>52.50003</b>	2.36 ppm	52.499404	52.500596	0.51 ppm	9.00 ppm	PASS 4.53 %
50.0000 V	50.0000	<b>50.00004</b>	2.40 ppm	49.99943	50.00057	0.81 ppm	9.00 ppm	PASS 7.09 %
47.5000 V	47.5000	<b>47.50002</b>	2.44 ppm	47.499457	47.500543	0.37 ppm	9.00 ppm	PASS 3.24 %
45.0000 V	45.0000	<b>45.00003</b>	2.49 ppm	44.999483	45.000517	0.70 ppm	9.00 ppm	PASS 6.07 %
42.5000 V	42.5000	<b>42.50001</b>	2.54 ppm	42.49951	42.50049	0.21 ppm	9.00 ppm	PASS 1.81 %
40.0000 V	40.0000	<b>40.00001</b>	2.60 ppm	39.999536	40.000464	0.35 ppm	9.00 ppm	PASS 3.02 %
37.5000 V	37.5000	<b>37.50004</b>	2.67 ppm	37.499562	37.500438	1.06 ppm	9.00 ppm	PASS 9.05 %
35.0000 V	35.0000	<b>34.99998</b>	2.74 ppm	34.999589	35.000411	-0.58 ppm	9.00 ppm	PASS 4.94 %
32.5000 V	32.5000	<b>32.50004</b>	2.83 ppm	32.499616	32.500384	1.12 ppm	9.00 ppm	PASS 9.49 %
30.0000 V	30.0000	<b>30.00006</b>	2.93 ppm	29.999642	30.000358	1.94 ppm	9.00 ppm	PASS 16.26 %
27.5000 V	27.5000	<b>27.50005</b>	3.05 ppm	27.499669	27.500331	1.74 ppm	9.00 ppm	PASS 14.45 %
25.0000 V	25.0000	<b>25.00003</b>	3.20 ppm	24.999695	25.000305	1.34 ppm	9.00 ppm	PASS 11.02 %
22.5000 V	22.5000	<b>22.50006</b>	3.38 ppm	22.499721	22.500279	2.48 ppm	9.00 ppm	PASS 20.03 %
20.0000 V	20.0000	<b>20.00006</b>	3.60 ppm	19.999748	20.000252	3.18 ppm	9.00 ppm	PASS 25.28 %
17.5000 V	17.5000	<b>17.50005</b>	3.89 ppm	17.499774	17.500226	2.90 ppm	9.00 ppm	PASS 22.47 %
15.0000 V	15.0000	<b>15.00008</b>	4.27 ppm	14.999801	15.000199	5.33 ppm	9.00 ppm	PASS 40.14 %
12.5000 V	12.5000	<b>12.50007</b>	4.80 ppm	12.499828	12.500172	5.81 ppm	9.00 ppm	PASS 42.09 %
10.0000 V	10.0000	<b>10.00010</b>	5.60 ppm	9.999854	10.000146	10.42 ppm	9.00 ppm	PASS 71.37 %
-10.0000 V	-10.0000	<b>-9.99989</b>	5.60 ppm	-10.000146	-9.999854	-10.84 ppm	9.00 ppm	PASS 74.23 %
-12.5000 V	-12.5000	<b>-12.49993</b>	4.80 ppm	-12.500172	-12.499828	-5.49 ppm	9.00 ppm	PASS 39.77 %
-15.0000 V	-15.0000	<b>-14.99997</b>	4.27 ppm	-15.000199	-14.999801	-2.25 ppm	9.00 ppm	PASS 16.98 %
-17.5000 V	-17.5000	<b>-17.49995</b>	3.89 ppm	-17.500226	-17.499774	-2.72 ppm	9.00 ppm	PASS 21.10 %
-20.0000 V	-20.0000	<b>-19.99996</b>	3.60 ppm	-20.000252	-19.999748	-2.04 ppm	9.00 ppm	PASS 16.19 %
-22.5000 V	-22.5000	<b>-22.50000</b>	3.38 ppm	-22.500279	-22.499721	-0.10 ppm	9.00 ppm	PASS 0.83 %
-25.0000 V	-25.0000	<b>-24.99999</b>	3.20 ppm	-25.000305	-24.999695	-0.36 ppm	9.00 ppm	PASS 2.92 %
-27.5000 V	-27.5000	<b>-27.50000</b>	3.05 ppm	-27.500331	-27.499669	0.13 ppm	9.00 ppm	PASS 1.12 %
-30.0000 V	-30.0000	<b>-30.00001</b>	2.93 ppm	-30.000358	-29.999642	0.17 ppm	9.00 ppm	PASS 1.40 %
-32.5000 V	-32.5000	<b>-32.50003</b>	2.83 ppm	-32.500384	-32.499616	0.87 ppm	9.00 ppm	PASS 7.36 %
-35.0000 V	-35.0000	<b>-35.00004</b>	2.74 ppm	-35.000411	-34.999589	1.19 ppm	9.00 ppm	PASS 10.10 %
-37.5000 V	-37.5000	<b>-37.50002</b>	2.67 ppm	-37.500438	-37.499562	0.62 ppm	9.00 ppm	PASS 5.35 %
-40.0000 V	-40.0000	<b>-40.00006</b>	2.60 ppm	-40.000464	-39.999536	1.39 ppm	9.00 ppm	PASS 12.00 %
-42.5000 V	-42.5000	<b>-42.50007</b>	2.54 ppm	-42.50049	-42.49951	1.60 ppm	9.00 ppm	PASS 13.86 %
-45.0000 V	-45.0000	<b>-45.00009</b>	2.49 ppm	-45.000517	-44.999483	2.05 ppm	9.00 ppm	PASS 17.83 %
-47.5000 V	-47.5000	<b>-47.50007</b>	2.44 ppm	-47.500543	-47.499457	1.56 ppm	9.00 ppm	PASS 13.67 %
-50.0000 V	-50.0000	<b>-50.00010</b>	2.40 ppm	-50.00057	-49.99943	2.03 ppm	9.00 ppm	PASS 17.77 %
-52.5000 V	-52.5000	<b>-52.50008</b>	2.36 ppm	-52.500596	-52.499404	1.44 ppm	9.00 ppm	PASS 12.64 %
-55.0000 V	-55.0000	<b>-55.00011</b>	2.33 ppm	-55.000623	-54.999377	2.02 ppm	9.00 ppm	PASS 17.80 %
-57.5000 V	-57.5000	<b>-57.50014</b>	2.30 ppm	-57.50065	-57.49935	2.50 ppm	9.00 ppm	PASS 22.12 %
-60.0000 V	-60.0000	<b>-60.00019</b>	2.27 ppm	-60.000676	-59.999324	3.10 ppm	9.00 ppm	PASS 27.54 %
-62.5000 V	-62.5000	<b>-62.50013</b>	2.24 ppm	-62.500703	-62.49927	2.04 ppm	9.00 ppm	PASS 18.14 %
-65.0000 V	-65.0000	<b>-65.00014</b>	2.22 ppm	-65.000729	-64.999271	2.14 ppm	9.00 ppm	PASS 19.07 %
-67.5000 V	-67.5000	<b>-67.50017</b>	2.19 ppm	-67.500755	-67.499245	2.55 ppm	9.00 ppm	PASS 22.81 %
-70.0000 V	-70.0000	<b>-70.00018</b>	2.17 ppm	-70.000782	-69.999218	2.57 ppm	9.00 ppm	PASS 23.02 %
-72.5000 V	-72.5000	<b>-72.50017</b>	2.15 ppm	-72.500808	-72.499192	2.31 ppm	9.00 ppm	PASS 20.68 %
-75.0000 V	-75.0000	<b>-75.00019</b>	2.13 ppm	-75.000835	-74.999165	2.55 ppm	9.00 ppm	PASS 22.87 %
-77.5000 V	-77.5000	<b>-77.50026</b>	2.12 ppm	-77.500862	-77.499138	3.37 ppm	9.00 ppm	PASS 30.34 %
-80.0000 V	-80.0000	<b>-80.00028</b>	2.10 ppm	-80.000888	-79.999112	3.50 ppm	9.00 ppm	PASS 31.52 %
-82.5000 V	-82.5000	<b>-82.50025</b>	2.08 ppm	-82.500914	-82.499086	3.02 ppm	9.00 ppm	PASS 27.28 %
-85.0000 V	-85.0000	<b>-85.00028</b>	2.07 ppm	-85.000941	-84.999059	3.26 ppm	9.00 ppm	PASS 29.46 %
-87.5000 V	-87.5000	<b>-87.50038</b>	2.06 ppm	-87.500968	-87.499032	4.36 ppm	9.00 ppm	PASS 39.40 %
-90.0000 V	-90.0000	<b>-90.00032</b>	2.04 ppm	-90.000994	-89.999006	3.51 ppm	9.00 ppm	PASS 31.80 %
-92.5000 V	-92.5000	<b>-92.50035</b>	2.03 ppm	-92.50102	-92.49898	3.78 ppm	9.00 ppm	PASS 34.29 %
-95.0000 V	-95.0000	<b>-95.00035</b>	2.02 ppm	-95.001047	-94.998953	3.64 ppm	9.00 ppm	PASS 33.03 %
-97.5000 V	-97.5000	<b>-97.50041</b>	2.01 ppm	-97.501073	-97.498927	4.18 ppm	9.00 ppm	PASS 37.92 %
-100.0000 V	-100.0000	<b>-100.00040</b>	2.00 ppm	-100.0011	-99.9989	3.98 ppm	9.00 ppm	PASS 41.89 %
-102.5000 V	-102.5000	<b>-102.50037</b>	1.99 ppm	-102.50113	-102.49887	3.65 ppm	9.00 ppm	PASS 33.72 %

Test completed

Test date

09 October 2018 14:23

Lab temperature maintained +24°C ±2°C

Internal use only

Not validated