cal equipment

2182

Manufacturer	KEITHLEY INSTRUMENTS	Calibration date	October 24 2018
Model Number	Model 2182	Ambient Temperature	23.30 °C
Serial	MFD	Relative Humidity	51.80 %
ID Number	MM2182	Pressure	1016.64
Notes	Check	Test type	MMZ5720

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
DMM	Agilent	3458A	001,002	2823A22815	MD1	11/14/2017	11/14/2018
CAL MFC	Fluke	5700A	/03 WB	XXX	MC01	10/09/2018	01/09/2019
DC STD	Fluke	732B-3	9.9999288 VDC	±0.56 ppm	SV03	11/03/2017	11/03/2018
STDR	IET	1 Ohm	0.99997483	±0.17 ppm	SM02	11/03/2017	11/30/2018
STDR	ESI	SR104	10000.0530 KΩ	±0.15 ppm	SM01	10/30/2017	10/30/2018

MFC last calibrated	15.0 days ago	MFC since DCV ZERO	1.0 days ago
MFC since WBFLAT	11253.0 days ago	MFC since WBGAIN	15.0 days ago
MFC Confidence level	**24h 95% REL**	MFC Calibrate date	2018-10-09 00:00:00
MFC Calibrate date Zero	2018-10-23 00:00:00	Calibrate date WB Flatness	1988-10-01 00:00:00
Calibrate date WB Gain	2018-10-09 00:00:00	CAL CONST 6.5V reference voltage	6.8913631624
CAL CONST 13V reference voltage	13.7948160154	CAL CONST 22V range positive zero	398.17852
CAL CONST 22V range negative zero	398.17815	CAL CONST DAC Linearity	0.0
CAL CONST 10KOHM true output resistance	10000.0770203	CAL CONST 10KOHM standard resistance	10000.4488527
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	24 October 2018 14:39
Test specification interval	**24 hour DUT spec**	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
As-received test, EXTGUARD OFF MFC
DUT Condition
test

Test procedure : $Id: k2182.py | Rev 1022 | 2018/10/24 13:59:55 MM $

Source procedure : $Id: f5720a.py | Rev 990 | 2018/10/12 06:43:08 clu $

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	**0.07 µV**	7.27 µV	-8.470 µV	8.470 µV	N/A	1.20 µV	PASS
CH1 Short 000 mVDC	0.0000000E+00	**0.07 µV**	7.27 µV	-11.270 µV	11.270 µV	N/A	4.00 µV	PASS
CH1 Short 0.0 VDC	0.0000000E+00	**0.04 µV**	7.27 µV	-87.270 µV	87.270 µV	N/A	80.00 µV	PASS
CH1 Short 00.0 VDC	0.0000000E+00	**0.05 µV**	3.86 µV	-603.860 µV	603.860 µV	N/A	0.60 mV	PASS
CH1 Short 000.0 VDC	0.0000000E+00	**1090290.73 µV**	3.86 µV	-6002.770 µV	6004.950 µV	N/A	6.00 mV	FAIL
CH2 Short 000 mVDC	0.0000000E+00	**1836279.18 µV**	7.27 µV	-9.434 µV	13.106 µV	N/A	4.00 µV	FAIL
CH2 Short 0.0 VDC	0.0000000E+00	**1294805.61 µV**	3.86 µV	-82.565 µV	85.155 µV	N/A	80.00 µV	FAIL
CH2 Short 00.0 VDC	0.0000000E+00	**1013072.55 µV**	3.86 µV	-602.847 µV	604.873 µV	N/A	0.60 mV	FAIL

DCV Test	0.01V-100V	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
0.001 VDC (0.010 Range)	0.0010000	**0.00099999379**	401.60 ppm	0.0009995744	0.0010004256	-6.213 ppm	24.00 ppm	PASS 1.46 %
0.005 VDC (0.010 Range)	0.0050000	**0.0049999334**	81.60 ppm	0.004999472	0.005000528	-13.321 ppm	24.00 ppm	PASS 12.61 %
0.01 VDC (0.010 Range)	0.0100000	**0.0099998859**	41.60 ppm	0.009999344	0.010000656	-11.415 ppm	24.00 ppm	PASS 17.40 %
-0.01 VDC (0.010 Range)	-0.0100000	**-0.0099998392**	41.60 ppm	-0.010000656	-0.009999344	-16.078 ppm	24.00 ppm	PASS 24.51 %
-0.005 VDC (0.010 Range)	-0.0050000	**-0.0049999257**	81.60 ppm	-0.005000528	-0.004999472	-14.870 ppm	24.00 ppm	PASS 14.08 %
-0.001 VDC (0.010 Range)	-0.0010000	**-0.00099994702**	401.60 ppm	-0.0010004256	-0.0009995744	-52.978 ppm	24.00 ppm	PASS 12.45 %
0.01 VDC (0.100 Range)	0.0100000	**0.010000036**	41.60 ppm	0.009999454	0.010000546	3.635 ppm	13.00 ppm	PASS 6.66 %
0.05 VDC (0.100 Range)	0.0500000	**0.050000391**	9.60 ppm	0.04999887	0.05000113	7.816 ppm	13.00 ppm	PASS 34.58 %
0.1 VDC (0.100 Range)	0.1000000	**0.10000089**	5.60 ppm	0.09999814	0.10000186	8.930 ppm	13.00 ppm	PASS 48.01 %
-0.1 VDC (0.100 Range)	-0.1000000	**-0.1000003**	5.60 ppm	-0.10000186	-0.09999814	2.965 ppm	13.00 ppm	PASS 15.94 %
-0.05 VDC (0.100 Range)	-0.0500000	**-0.050000231**	9.60 ppm	-0.05000113	-0.04999887	4.625 ppm	13.00 ppm	PASS 20.46 %
-0.01 VDC (0.100 Range)	-0.0100000	**-0.0099999425**	41.60 ppm	-0.010000546	-0.009999454	-5.750 ppm	13.00 ppm	PASS 10.53 %
0.1 VDC (1.000 Range)	0.1000000	**0.099999953**	8.60 ppm	0.09999824	0.10000176	-0.466 ppm	9.00 ppm	PASS 2.65 %
0.5 VDC (1.000 Range)	0.5000000	**0.49999822**	3.00 ppm	0.499994	0.500006	-3.562 ppm	9.00 ppm	PASS 29.68 %
1 VDC (1.000 Range)	1.0000000	**0.99999733**	2.30 ppm	0.9999887	1.0000113	-2.671 ppm	9.00 ppm	PASS 23.64 %
-1 VDC (1.000 Range)	-1.0000000	**-0.9999981**	2.30 ppm	-1.0000113	-0.9999887	-1.902 ppm	9.00 ppm	PASS 16.84 %
-0.5 VDC (1.000 Range)	-0.5000000	**-0.49999994**	3.00 ppm	-0.500006	-0.499994	-0.128 ppm	9.00 ppm	PASS 1.07 %
-0.1 VDC (1.000 Range)	-0.1000000	**-0.099999989**	8.60 ppm	-0.10000176	-0.09999824	-0.114 ppm	9.00 ppm	PASS 0.64 %
1.0 VDC (10.000 Range)	1.0000000	**0.9999972**	3.30 ppm	0.9999937	1.0000063	-2.798 ppm	3.00 ppm	PASS 44.41 %
5 VDC (10.000 Range)	5.0000000	**4.9999937**	1.30 ppm	4.9999785	5.0000215	-1.250 ppm	3.00 ppm	PASS 29.07 %

10.0 VDC (10.000 Range)	10.0000000	**9.9999954**	1.10 ppm	9.999959	10.000041	-0.456 ppm	3.00 ppm	PASS 11.12 %
-10.0 VDC (10.000 Range)	-10.0000000	**-9.9999998**	1.10 ppm	-10.000041	-9.999959	-0.016 ppm	3.00 ppm	PASS 0.39 %
-5.0 VDC (10.000 Range)	-5.0000000	**-5.0000019**	1.30 ppm	-5.0000215	-4.9999785	0.378 ppm	3.00 ppm	PASS 8.79 %
-1.0 VDC (10.000 Range)	-1.0000000	**-0.99999724**	3.30 ppm	-1.0000063	-0.9999937	-2.760 ppm	3.00 ppm	PASS 43.82 %
10 VDC (100.000 Range)	10.0000000	**10.000057**	5.60 ppm	9.999814	10.000186	5.730 ppm	13.00 ppm	PASS 30.81 %
50 VDC (100.000 Range)	50.0000000	**50.000137**	2.40 ppm	49.99923	50.00077	2.734 ppm	13.00 ppm	PASS 17.75 %
100 VDC (100.000 Range)	100.0000000	**100.00007**	2.00 ppm	99.9985	100.0015	0.670 ppm	13.00 ppm	PASS 4.47 %
-100 VDC (100.000 Range)	-100.0000000	**-100.00089**	2.00 ppm	-100.0015	-99.9985	8.860 ppm	13.00 ppm	PASS 59.07 %
-50 VDC (100.000 Range)	-50.0000000	**-50.000409**	2.40 ppm	-50.00077	-49.99923	8.171 ppm	13.00 ppm	PASS 53.06 %
-10 VDC (100.000 Range)	-10.0000000	**-10.000021**	5.60 ppm	-10.000186	-9.999814	2.140 ppm	13.00 ppm	PASS 11.51 %

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.

DCV Linearity	10 mV Range	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
10.25000 mV	0.010250	**0.0102498**	40.62 ppm	0.01024949	0.01025051	-14.98 ppm	9.00 ppm	PASS 30.18 %
10.00000 mV	0.010000	**0.0099998**	41.60 ppm	0.009999494	0.01000051	-16.23 ppm	9.00 ppm	PASS 32.07 %
9.75000 mV	0.009750	**0.0097498**	42.63 ppm	0.009749497	0.009750503	-16.95 ppm	9.00 ppm	PASS 32.83 %
9.50000 mV	0.009500	**0.0094998**	43.71 ppm	0.009499499	0.009500501	-19.45 ppm	9.00 ppm	PASS 36.91 %
9.25000 mV	0.009250	**0.0092498**	44.84 ppm	0.009249502	0.009250498	-19.02 ppm	9.00 ppm	PASS 35.33 %
9.00000 mV	0.009000	**0.0089998**	46.04 ppm	0.008999505	0.009000495	-19.93 ppm	9.00 ppm	PASS 36.21 %
8.75000 mV	0.008750	**0.0087498**	47.31 ppm	0.008749507	0.008750493	-21.56 ppm	9.00 ppm	PASS 38.29 %
8.50000 mV	0.008500	**0.0084998**	48.66 ppm	0.00849951	0.00850049	-23.16 ppm	9.00 ppm	PASS 40.17 %
8.25000 mV	0.008250	**0.0082498**	50.08 ppm	0.008249513	0.008250487	-25.16 ppm	9.00 ppm	PASS 42.59 %
8.00000 mV	0.008000	**0.0079998**	51.60 ppm	0.007999515	0.008000485	-25.27 ppm	9.00 ppm	PASS 41.69 %
7.75000 mV	0.007750	**0.0077498**	53.21 ppm	0.007749518	0.007750482	-22.30 ppm	9.00 ppm	PASS 35.84 %
7.50000 mV	0.007500	**0.0074998**	54.93 ppm	0.007499521	0.007500479	-26.77 ppm	9.00 ppm	PASS 41.88 %
7.25000 mV	0.007250	**0.0072498**	56.77 ppm	0.007249523	0.007250477	-29.54 ppm	9.00 ppm	PASS 44.91 %
7.00000 mV	0.007000	**0.0069998**	58.74 ppm	0.006999526	0.007000474	-25.26 ppm	9.00 ppm	PASS 37.29 %
6.75000 mV	0.006750	**0.0067498**	60.86 ppm	0.006749528	0.006750472	-25.90 ppm	9.00 ppm	PASS 37.08 %
6.50000 mV	0.006500	**0.0064998**	63.14 ppm	0.006499531	0.006500469	-25.76 ppm	9.00 ppm	PASS 35.71 %
6.25000 mV	0.006250	**0.0062498**	65.60 ppm	0.006249534	0.006250466	-29.01 ppm	9.00 ppm	PASS 38.89 %
6.00000 mV	0.006000	**0.0059998**	68.27 ppm	0.005999536	0.006000464	-29.37 ppm	9.00 ppm	PASS 38.01 %
5.75000 mV	0.005750	**0.0057498**	71.17 ppm	0.005749539	0.005750461	-29.57 ppm	9.00 ppm	PASS 36.89 %
5.50000 mV	0.005500	**0.0054998**	74.33 ppm	0.005499542	0.005500458	-32.43 ppm	9.00 ppm	PASS 38.92 %
5.25000 mV	0.005250	**0.0052498**	77.79 ppm	0.005249544	0.005250456	-31.52 ppm	9.00 ppm	PASS 36.32 %
5.00000 mV	0.005000	**0.0049998**	81.60 ppm	0.004999547	0.005000453	-34.73 ppm	9.00 ppm	PASS 38.33 %
4.75000 mV	0.004750	**0.0047498**	85.81 ppm	0.00474955	0.00475045	-36.81 ppm	9.00 ppm	PASS 38.82 %
4.50000 mV	0.004500	**0.0044998**	90.49 ppm	0.004499552	0.004500448	-38.69 ppm	9.00 ppm	PASS 38.89 %
4.25000 mV	0.004250	**0.0042498**	95.72 ppm	0.004249555	0.004250445	-36.75 ppm	9.00 ppm	PASS 35.09 %
4.00000 mV	0.004000	**0.0039998**	101.60 ppm	0.003999558	0.004000442	-40.49 ppm	9.00 ppm	PASS 36.61 %
3.75000 mV	0.003750	**0.0037498**	108.27 ppm	0.00374956	0.00375044	-43.68 ppm	9.00 ppm	PASS 37.25 %
3.50000 mV	0.003500	**0.0034999**	115.89 ppm	0.003499563	0.003500437	-42.10 ppm	9.00 ppm	PASS 33.71 %
3.25000 mV	0.003250	**0.0032498**	124.68 ppm	0.003249566	0.003250434	-47.14 ppm	9.00 ppm	PASS 35.26 %
3.00000 mV	0.003000	**0.0029999**	134.93 ppm	0.002999568	0.003000432	-43.20 ppm	9.00 ppm	PASS 30.02 %
2.75000 mV	0.002750	**0.0027499**	147.05 ppm	0.002749571	0.002750429	-50.63 ppm	9.00 ppm	PASS 32.44 %
2.50000 mV	0.002500	**0.0024998**	161.60 ppm	0.002499573	0.002500427	-62.64 ppm	9.00 ppm	PASS 36.72 %
2.25000 mV	0.002250	**0.0022499**	179.38 ppm	0.002249576	0.002250424	-59.37 ppm	9.00 ppm	PASS 31.52 %
2.00000 mV	0.002000	**0.0019999**	201.60 ppm	0.001999579	0.002000421	-72.44 ppm	9.00 ppm	PASS 34.40 %
1.75000 mV	0.001750	**0.0017499**	230.17 ppm	0.001749581	0.001750419	-74.04 ppm	9.00 ppm	PASS 30.96 %
1.50000 mV	0.001500	**0.0014999**	268.27 ppm	0.001499584	0.001500416	-87.53 ppm	9.00 ppm	PASS 31.57 %
1.25000 mV	0.001250	**0.0012499**	321.60 ppm	0.001249587	0.001250413	-110.43 ppm	9.00 ppm	PASS 33.40 %
1.00000 mV	0.001000	**0.0009999**	401.60 ppm	0.0009995894	0.001000411	-137.19 ppm	9.00 ppm	PASS 33.41 %
0.75000 mV	0.000750	**0.0007499**	534.93 ppm	0.0007495921	0.0007504079	-181.48 ppm	9.00 ppm	PASS 33.36 %
0.50000 mV	0.000500	**0.0004999**	801.60 ppm	0.0004995947	0.0005004053	-269.87 ppm	9.00 ppm	PASS 33.29 %
0.25000 mV	0.000250	**0.0002499**	1601.60 ppm	0.0002495974	0.0002504026	-498.17 ppm	9.00 ppm	PASS 30.93 %
0.10000 mV	0.000100	**0.0000999**	4001.60 ppm	9.959894E-05	0.0001004011	-1227.60 ppm	9.00 ppm	PASS 30.61 %
-0.25000 mV	-0.000250	**-0.0002501**	1601.60 ppm	-0.0002504026	-0.0002495974	435.11 ppm	9.00 ppm	PASS 27.02 %
-0.50000 mV	-0.000500	**-0.0005001**	801.60 ppm	-0.0005004053	-0.0004995947	244.04 ppm	9.00 ppm	PASS 30.11 %
-0.75000 mV	-0.000750	**-0.0007501**	534.93 ppm	-0.0007504079	-0.0007495921	129.10 ppm	9.00 ppm	PASS 23.73 %
-1.00000 mV	-0.001000	**-0.0010001**	401.60 ppm	-0.001000411	-0.0009995894	92.70 ppm	9.00 ppm	PASS 22.58 %
-1.25000 mV	-0.001250	**-0.0012501**	321.60 ppm	-0.001250413	-0.001249587	82.69 ppm	9.00 ppm	PASS 25.01 %
-1.50000 mV	-0.001500	**-0.0015001**	268.27 ppm	-0.001500416	-0.001499584	61.52 ppm	9.00 ppm	PASS 22.19 %
-1.75000 mV	-0.001750	**-0.0017501**	230.17 ppm	-0.001750419	-0.001749581	46.02 ppm	9.00 ppm	PASS 19.24 %
-2.00000 mV	-0.002000	**-0.0020001**	201.60 ppm	-0.002000421	-0.001999579	45.56 ppm	9.00 ppm	PASS 21.63 %
-2.25000 mV	-0.002250	**-0.0022501**	179.38 ppm	-0.002250424	-0.002249576	38.74 ppm	9.00 ppm	PASS 20.57 %
-2.50000 mV	-0.002500	**-0.0025001**	161.60 ppm	-0.002500427	-0.002499573	33.96 ppm	9.00 ppm	PASS 19.90 %
-2.75000 mV	-0.002750	**-0.0027501**	147.05 ppm	-0.002750429	-0.002749571	29.21 ppm	9.00 ppm	PASS 18.72 %

-3.00000 mV	-0.003000	**-0.0030001**	134.93 ppm	-0.003000432	-0.002999568	27.99 ppm	9.00 ppm	PASS 19.45 %
-3.25000 mV	-0.003250	**-0.0032501**	124.68 ppm	-0.003250434	-0.003249566	26.09 ppm	9.00 ppm	PASS 19.51 %
-3.50000 mV	-0.003500	**-0.0035001**	115.89 ppm	-0.003500437	-0.003499563	24.56 ppm	9.00 ppm	PASS 19.66 %
-3.75000 mV	-0.003750	**-0.0037501**	108.27 ppm	-0.00375044	-0.00374956	20.45 ppm	9.00 ppm	PASS 17.44 %
-4.00000 mV	-0.004000	**-0.0040001**	101.60 ppm	-0.004000442	-0.003999558	16.33 ppm	9.00 ppm	PASS 14.77 %
-4.25000 mV	-0.004250	**-0.0042501**	95.72 ppm	-0.004250445	-0.004249555	16.02 ppm	9.00 ppm	PASS 15.30 %
-4.50000 mV	-0.004500	**-0.0045001**	90.49 ppm	-0.004500448	-0.004499552	11.99 ppm	9.00 ppm	PASS 12.05 %
-4.75000 mV	-0.004750	**-0.0047501**	85.81 ppm	-0.00475045	-0.00474955	13.97 ppm	9.00 ppm	PASS 14.74 %
-5.00000 mV	-0.005000	**-0.0050000**	81.60 ppm	-0.005000453	-0.004999547	7.09 ppm	9.00 ppm	PASS 7.82 %
-5.25000 mV	-0.005250	**-0.0052500**	77.79 ppm	-0.005250456	-0.005249544	7.26 ppm	9.00 ppm	PASS 8.36 %
-5.50000 mV	-0.005500	**-0.0055000**	74.33 ppm	-0.005500458	-0.005499542	6.84 ppm	9.00 ppm	PASS 8.20 %
-5.75000 mV	-0.005750	**-0.0057500**	71.17 ppm	-0.005750461	-0.005749539	5.75 ppm	9.00 ppm	PASS 7.17 %
-6.00000 mV	-0.006000	**-0.0060000**	68.27 ppm	-0.006000464	-0.005999536	5.75 ppm	9.00 ppm	PASS 7.45 %
-6.25000 mV	-0.006250	**-0.0062500**	65.60 ppm	-0.006250466	-0.006249534	4.36 ppm	9.00 ppm	PASS 5.84 %
-6.50000 mV	-0.006500	**-0.0065000**	63.14 ppm	-0.006500469	-0.006499531	5.27 ppm	9.00 ppm	PASS 7.31 %
-6.75000 mV	-0.006750	**-0.0067500**	60.86 ppm	-0.006750472	-0.006749528	4.35 ppm	9.00 ppm	PASS 6.23 %
-7.00000 mV	-0.007000	**-0.0070000**	58.74 ppm	-0.007000474	-0.006999526	4.14 ppm	9.00 ppm	PASS 6.12 %
-7.25000 mV	-0.007250	**-0.0072500**	56.77 ppm	-0.007250477	-0.007249523	1.35 ppm	9.00 ppm	PASS 2.05 %
-7.50000 mV	-0.007500	**-0.0075000**	54.93 ppm	-0.007500479	-0.007499521	3.74 ppm	9.00 ppm	PASS 5.85 %
-7.75000 mV	-0.007750	**-0.0077500**	53.21 ppm	-0.007750482	-0.007749518	-0.03 ppm	9.00 ppm	PASS 0.05 %
-8.00000 mV	-0.008000	**-0.0080000**	51.60 ppm	-0.008000485	-0.007999515	0.02 ppm	9.00 ppm	PASS 0.04 %
-8.25000 mV	-0.008250	**-0.0082500**	50.08 ppm	-0.008250487	-0.008249513	0.44 ppm	9.00 ppm	PASS 0.74 %
-8.50000 mV	-0.008500	**-0.0085000**	48.66 ppm	-0.00850049	-0.00849951	-2.62 ppm	9.00 ppm	PASS 4.54 %
-8.75000 mV	-0.008750	**-0.0087500**	47.31 ppm	-0.008750493	-0.008749507	-3.69 ppm	9.00 ppm	PASS 6.56 %
-9.00000 mV	-0.009000	**-0.0090000**	46.04 ppm	-0.009000495	-0.008999505	-1.92 ppm	9.00 ppm	PASS 3.49 %
-9.25000 mV	-0.009250	**-0.0092500**	44.84 ppm	-0.009250498	-0.009249502	-1.17 ppm	9.00 ppm	PASS 2.17 %
-9.50000 mV	-0.009500	**-0.0095000**	43.71 ppm	-0.009500501	-0.009499499	-1.02 ppm	9.00 ppm	PASS 1.93 %
-9.75000 mV	-0.009750	**-0.0097500**	42.63 ppm	-0.009750503	-0.009749497	-0.03 ppm	9.00 ppm	PASS 0.05 %
-10.00000 mV	-0.010000	**-0.0100000**	41.60 ppm	-0.01000051	-0.009999494	-3.62 ppm	9.00 ppm	PASS 7.16 %
-10.25000 mV	-0.010250	**-0.0102500**	40.62 ppm	-0.01025051	-0.01024949	-2.64 ppm	9.00 ppm	PASS 5.33 %

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.

DCV Linearity	100 mV Range	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
102.50000 mV	0.102500	**0.1025008**	5.50 ppm	0.1024985	0.1025015	7.80 ppm	9.00 ppm	PASS 53.76 %
100.00000 mV	0.100000	**0.1000010**	5.60 ppm	0.09999854	0.1000015	10.35 ppm	9.00 ppm	PASS 70.89 %
97.50000 mV	0.097500	**0.0975009**	5.70 ppm	0.09749857	0.09750143	9.19 ppm	9.00 ppm	PASS 62.51 %
95.00000 mV	0.095000	**0.0950008**	5.81 ppm	0.09499859	0.09500141	8.45 ppm	9.00 ppm	PASS 57.09 %
92.50000 mV	0.092500	**0.0925007**	5.92 ppm	0.09249862	0.09250138	7.47 ppm	9.00 ppm	PASS 50.08 %
90.00000 mV	0.090000	**0.0900007**	6.04 ppm	0.08999865	0.09000135	7.32 ppm	9.00 ppm	PASS 48.65 %
87.50000 mV	0.087500	**0.0875007**	6.17 ppm	0.08749867	0.08750133	7.83 ppm	9.00 ppm	PASS 51.60 %
85.00000 mV	0.085000	**0.0850004**	6.31 ppm	0.0849987	0.0850013	4.83 ppm	9.00 ppm	PASS 31.54 %
82.50000 mV	0.082500	**0.0825005**	6.45 ppm	0.08249873	0.08250127	5.45 ppm	9.00 ppm	PASS 35.30 %
80.00000 mV	0.080000	**0.0800004**	6.60 ppm	0.07999875	0.08000125	5.53 ppm	9.00 ppm	PASS 35.42 %
77.50000 mV	0.077500	**0.0775005**	6.76 ppm	0.07749878	0.07750122	6.70 ppm	9.00 ppm	PASS 42.54 %
75.00000 mV	0.075000	**0.0750003**	6.93 ppm	0.07499881	0.07500119	3.52 ppm	9.00 ppm	PASS 22.11 %
72.50000 mV	0.072500	**0.0725003**	7.12 ppm	0.07249883	0.07250117	3.79 ppm	9.00 ppm	PASS 23.54 %
70.00000 mV	0.070000	**0.0700003**	7.31 ppm	0.06999886	0.07000114	4.96 ppm	9.00 ppm	PASS 30.38 %
67.50000 mV	0.067500	**0.0675005**	7.53 ppm	0.06749888	0.06750112	7.41 ppm	9.00 ppm	PASS 44.83 %
65.00000 mV	0.065000	**0.0650003**	7.75 ppm	0.06499891	0.06500109	4.83 ppm	9.00 ppm	PASS 28.81 %
62.50000 mV	0.062500	**0.0625002**	8.00 ppm	0.06249894	0.06250106	3.69 ppm	9.00 ppm	PASS 21.69 %
60.00000 mV	0.060000	**0.0600003**	8.27 ppm	0.05999896	0.06000104	5.15 ppm	9.00 ppm	PASS 29.83 %
57.50000 mV	0.057500	**0.0575001**	8.56 ppm	0.05749899	0.05750101	1.51 ppm	9.00 ppm	PASS 8.58 %
55.00000 mV	0.055000	**0.0550003**	8.87 ppm	0.05499902	0.05500098	5.99 ppm	9.00 ppm	PASS 33.52 %
52.50000 mV	0.052500	**0.0525003**	9.22 ppm	0.05249904	0.05250096	6.62 ppm	9.00 ppm	PASS 36.33 %
50.00000 mV	0.050000	**0.0500002**	9.60 ppm	0.04999907	0.05000093	4.79 ppm	9.00 ppm	PASS 25.74 %
47.50000 mV	0.047500	**0.0475003**	10.02 ppm	0.0474991	0.0475009	5.66 ppm	9.00 ppm	PASS 29.75 %
45.00000 mV	0.045000	**0.0450002**	10.49 ppm	0.04499912	0.04500088	3.82 ppm	9.00 ppm	PASS 19.62 %
42.50000 mV	0.042500	**0.0425001**	11.01 ppm	0.04249915	0.04250085	1.27 ppm	9.00 ppm	PASS 6.35 %
40.00000 mV	0.040000	**0.0400001**	11.60 ppm	0.03999918	0.04000082	3.67 ppm	9.00 ppm	PASS 17.84 %
37.50000 mV	0.037500	**0.0375002**	12.27 ppm	0.0374992	0.0375008	5.74 ppm	9.00 ppm	PASS 26.98 %
35.00000 mV	0.035000	**0.0350001**	13.03 ppm	0.03499923	0.03500077	3.29 ppm	9.00 ppm	PASS 14.95 %
32.50000 mV	0.032500	**0.0325001**	13.91 ppm	0.03249926	0.03250074	4.57 ppm	9.00 ppm	PASS 19.96 %
30.00000 mV	0.030000	**0.0300001**	14.93 ppm	0.02999928	0.03000072	1.88 ppm	9.00 ppm	PASS 7.86 %
27.50000 mV	0.027500	**0.0275001**	16.15 ppm	0.02749931	0.02750069	2.47 ppm	9.00 ppm	PASS 9.80 %
25.00000 mV	0.025000	**0.0250001**	17.60 ppm	0.02499934	0.02500067	2.54 ppm	9.00 ppm	PASS 9.53 %
22.50000 mV	0.022500	**0.0225001**	19.38 ppm	0.02249936	0.02250064	2.57 ppm	9.00 ppm	PASS 9.05 %
20.00000 mV	0.020000	**0.0200001**	21.60 ppm	0.01999939	0.02000061	3.36 ppm	9.00 ppm	PASS 10.96 %
17.50000 mV	0.017500	**0.0175001**	24.46 ppm	0.01749941	0.01750059	5.95 ppm	9.00 ppm	PASS 17.80 %
15.00000 mV	0.015000	**0.0150000**	28.27 ppm	0.01499944	0.01500056	2.78 ppm	9.00 ppm	PASS 7.46 %
12.50000 mV	0.012500	**0.0125000**	33.60 ppm	0.01249947	0.01250053	0.55 ppm	9.00 ppm	PASS 1.30 %
10.00000 mV	0.010000	**0.0100001**	41.60 ppm	0.009999494	0.01000051	6.47 ppm	9.00 ppm	PASS 12.79 %
7.50000 mV	0.007500	**0.0075001**	54.93 ppm	0.007499521	0.007500479	8.14 ppm	9.00 ppm	PASS 12.73 %
5.00000 mV	0.005000	**0.0050000**	81.60 ppm	0.004999547	0.005000453	5.57 ppm	9.00 ppm	PASS 6.15 %
2.50000 mV	0.002500	**0.0025000**	161.60 ppm	0.002499573	0.002500427	9.61 ppm	9.00 ppm	PASS 5.63 %
1.00000 mV	0.001000	**0.0010000**	401.60 ppm	0.0009995894	0.001000411	40.91 ppm	9.00 ppm	PASS 9.96 %
-2.50000 mV	-0.002500	**-0.0025000**	161.60 ppm	-0.002500427	-0.002499573	-14.63 ppm	9.00 ppm	PASS 8.58 %
-5.00000 mV	-0.005000	**-0.0050000**	81.60 ppm	-0.005000453	-0.004999547	-5.65 ppm	9.00 ppm	PASS 6.24 %
-7.50000 mV	-0.007500	**-0.0075000**	54.93 ppm	-0.007500479	-0.007499521	-5.29 ppm	9.00 ppm	PASS 8.27 %
-10.00000 mV	-0.010000	**-0.0100000**	41.60 ppm	-0.01000051	-0.009999494	-2.34 ppm	9.00 ppm	PASS 4.63 %
-12.50000 mV	-0.012500	**-0.0125000**	33.60 ppm	-0.01250053	-0.01249947	1.97 ppm	9.00 ppm	PASS 4.62 %
-15.00000 mV	-0.015000	**-0.0150001**	28.27 ppm	-0.01500056	-0.01499944	4.17 ppm	9.00 ppm	PASS 11.18 %
-17.50000 mV	-0.017500	**-0.0175001**	24.46 ppm	-0.01750059	-0.01749941	3.69 ppm	9.00 ppm	PASS 11.03 %
-20.00000 mV	-0.020000	**-0.0200001**	21.60 ppm	-0.02000061	-0.01999939	3.99 ppm	9.00 ppm	PASS 13.06 %
-22.50000 mV	-0.022500	**-0.0225001**	19.38 ppm	-0.02250064	-0.02249936	4.17 ppm	9.00 ppm	PASS 14.69 %
-25.00000 mV	-0.025000	**-0.0250001**	17.60 ppm	-0.02500067	-0.02499934	4.48 ppm	9.00 ppm	PASS 16.84 %
-27.50000 mV	-0.027500	**-0.0275001**	16.15 ppm	-0.02750069	-0.02749931	4.73 ppm	9.00 ppm	PASS 18.83 %

-30.00000 mV	-0.030000	**-0.0300001**	14.93 ppm	-0.03000072	-0.02999928	4.81 ppm	9.00 ppm	PASS 20.10 %
-32.50000 mV	-0.032500	**-0.0325002**	13.91 ppm	-0.03250074	-0.03249926	5.85 ppm	9.00 ppm	PASS 25.54 %
-35.00000 mV	-0.035000	**-0.0350002**	13.03 ppm	-0.03500077	-0.03499923	5.19 ppm	9.00 ppm	PASS 23.54 %
-37.50000 mV	-0.037500	**-0.0375002**	12.27 ppm	-0.0375008	-0.0374992	6.23 ppm	9.00 ppm	PASS 29.27 %
-40.00000 mV	-0.040000	**-0.0400002**	11.60 ppm	-0.04000082	-0.03999918	5.83 ppm	9.00 ppm	PASS 28.30 %
-42.50000 mV	-0.042500	**-0.0425001**	11.01 ppm	-0.04250085	-0.04249915	3.48 ppm	9.00 ppm	PASS 17.38 %
-45.00000 mV	-0.045000	**-0.0450001**	10.49 ppm	-0.04500088	-0.04499912	2.86 ppm	9.00 ppm	PASS 14.65 %
-47.50000 mV	-0.047500	**-0.0475002**	10.02 ppm	-0.0475009	-0.0474991	4.18 ppm	9.00 ppm	PASS 21.98 %
-50.00000 mV	-0.050000	**-0.0500003**	9.60 ppm	-0.05000093	-0.04999907	5.38 ppm	9.00 ppm	PASS 28.95 %
-52.50000 mV	-0.052500	**-0.0525002**	9.22 ppm	-0.05250096	-0.05249904	3.57 ppm	9.00 ppm	PASS 19.57 %
-55.00000 mV	-0.055000	**-0.0550001**	8.87 ppm	-0.05500098	-0.05499902	1.39 ppm	9.00 ppm	PASS 7.76 %
-57.50000 mV	-0.057500	**-0.0575002**	8.56 ppm	-0.05750101	-0.05749899	3.03 ppm	9.00 ppm	PASS 17.25 %
-60.00000 mV	-0.060000	**-0.0600001**	8.27 ppm	-0.06000104	-0.05999896	2.24 ppm	9.00 ppm	PASS 12.97 %
-62.50000 mV	-0.062500	**-0.0625003**	8.00 ppm	-0.06250106	-0.06249894	4.32 ppm	9.00 ppm	PASS 25.39 %
-65.00000 mV	-0.065000	**-0.0650003**	7.75 ppm	-0.06500109	-0.06499891	4.48 ppm	9.00 ppm	PASS 26.73 %
-67.50000 mV	-0.067500	**-0.0675005**	7.53 ppm	-0.06750112	-0.06749888	6.85 ppm	9.00 ppm	PASS 41.42 %
-70.00000 mV	-0.070000	**-0.0700002**	7.31 ppm	-0.07000114	-0.06999886	3.19 ppm	9.00 ppm	PASS 19.53 %
-72.50000 mV	-0.072500	**-0.0725003**	7.12 ppm	-0.07250117	-0.07249883	4.70 ppm	9.00 ppm	PASS 29.14 %
-75.00000 mV	-0.075000	**-0.0750006**	6.93 ppm	-0.07500119	-0.07499881	7.50 ppm	9.00 ppm	PASS 47.09 %
-77.50000 mV	-0.077500	**-0.0775002**	6.76 ppm	-0.07750122	-0.07749878	2.29 ppm	9.00 ppm	PASS 14.52 %
-80.00000 mV	-0.080000	**-0.0800003**	6.60 ppm	-0.08000125	-0.07999875	3.58 ppm	9.00 ppm	PASS 22.98 %
-82.50000 mV	-0.082500	**-0.0825001**	6.45 ppm	-0.08250127	-0.08249873	1.20 ppm	9.00 ppm	PASS 7.75 %
-85.00000 mV	-0.085000	**-0.0850001**	6.31 ppm	-0.0850013	-0.0849987	1.12 ppm	9.00 ppm	PASS 7.34 %
-87.50000 mV	-0.087500	**-0.0875001**	6.17 ppm	-0.08750133	-0.08749867	1.65 ppm	9.00 ppm	PASS 10.85 %
-90.00000 mV	-0.090000	**-0.0900002**	6.04 ppm	-0.09000135	-0.08999865	2.32 ppm	9.00 ppm	PASS 15.44 %
-92.50000 mV	-0.092500	**-0.0925000**	5.92 ppm	-0.09250138	-0.09249862	0.28 ppm	9.00 ppm	PASS 1.89 %
-95.00000 mV	-0.095000	**-0.0950003**	5.81 ppm	-0.09500141	-0.09499859	3.26 ppm	9.00 ppm	PASS 22.03 %
-97.50000 mV	-0.097500	**-0.0975002**	5.70 ppm	-0.09750143	-0.09749857	2.24 ppm	9.00 ppm	PASS 15.21 %
-100.00000 mV	-0.100000	**-0.1000004**	5.60 ppm	-0.1000015	-0.09999854	4.08 ppm	9.00 ppm	PASS 27.95 %
-102.50000 mV	-0.102500	**-0.1025006**	5.50 ppm	-0.1025015	-0.1024985	5.40 ppm	9.00 ppm	PASS 37.21 %

DCV Linearity	1V Range	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
1.025000 V	1.0250000	**1.0249974**	2.28 ppm	1.024988	1.025012	-2.57 ppm	9.00 ppm	PASS 22.75 %
1.000000 V	1.0000000	**0.9999971**	2.30 ppm	0.9999887	1.000011	-2.85 ppm	9.00 ppm	PASS 25.25 %
0.975000 V	0.9750000	**0.9749979**	2.32 ppm	0.974989	0.975011	-2.18 ppm	9.00 ppm	PASS 19.28 %
0.950000 V	0.9500000	**0.9499985**	2.34 ppm	0.9499892	0.9500108	-1.61 ppm	9.00 ppm	PASS 14.21 %
0.925000 V	0.9250000	**0.9249990**	2.36 ppm	0.9249895	0.9250105	-1.11 ppm	9.00 ppm	PASS 9.75 %
0.900000 V	0.9000000	**0.8999986**	2.38 ppm	0.8999898	0.9000102	-1.50 ppm	9.00 ppm	PASS 13.19 %
0.875000 V	0.8750000	**0.8749991**	2.40 ppm	0.87499	0.87501	-1.03 ppm	9.00 ppm	PASS 9.07 %
0.850000 V	0.8500000	**0.8500001**	2.42 ppm	0.8499903	0.8500097	0.08 ppm	9.00 ppm	PASS 0.74 %
0.825000 V	0.8250000	**0.8249987**	2.45 ppm	0.8249906	0.8250094	-1.58 ppm	9.00 ppm	PASS 13.76 %
0.800000 V	0.8000000	**0.7999990**	2.48 ppm	0.7999908	0.8000092	-1.31 ppm	9.00 ppm	PASS 11.42 %
0.775000 V	0.7750000	**0.7749980**	2.50 ppm	0.7749911	0.7750089	-2.55 ppm	9.00 ppm	PASS 22.19 %
0.750000 V	0.7500000	**0.7499972**	2.53 ppm	0.7499914	0.7500086	-3.73 ppm	9.00 ppm	PASS 32.36 %
0.725000 V	0.7250000	**0.7249980**	2.57 ppm	0.7249916	0.7250084	-2.73 ppm	9.00 ppm	PASS 23.62 %
0.700000 V	0.7000000	**0.6999989**	2.60 ppm	0.6999919	0.7000081	-1.56 ppm	9.00 ppm	PASS 13.42 %
0.675000 V	0.6750000	**0.6749996**	2.64 ppm	0.6749921	0.6750079	-0.57 ppm	9.00 ppm	PASS 4.90 %
0.650000 V	0.6500000	**0.6499992**	2.68 ppm	0.6499924	0.6500076	-1.16 ppm	9.00 ppm	PASS 9.97 %
0.625000 V	0.6250000	**0.6249987**	2.72 ppm	0.6249927	0.6250073	-2.13 ppm	9.00 ppm	PASS 18.14 %
0.600000 V	0.6000000	**0.5999985**	2.77 ppm	0.5999929	0.6000071	-2.48 ppm	9.00 ppm	PASS 21.11 %
0.575000 V	0.5750000	**0.5749982**	2.82 ppm	0.5749932	0.5750068	-3.05 ppm	9.00 ppm	PASS 25.84 %
0.550000 V	0.5500000	**0.5499975**	2.87 ppm	0.5499935	0.5500065	-4.61 ppm	9.00 ppm	PASS 38.83 %
0.525000 V	0.5250000	**0.5249983**	2.93 ppm	0.5249937	0.5250063	-3.26 ppm	9.00 ppm	PASS 27.35 %
0.500000 V	0.5000000	**0.4999988**	3.00 ppm	0.499994	0.500006	-2.33 ppm	9.00 ppm	PASS 19.40 %
0.475000 V	0.4750000	**0.4749988**	3.07 ppm	0.4749943	0.4750057	-2.54 ppm	9.00 ppm	PASS 21.07 %
0.450000 V	0.4500000	**0.4499988**	3.16 ppm	0.4499945	0.4500055	-2.57 ppm	9.00 ppm	PASS 21.13 %
0.425000 V	0.4250000	**0.4249982**	3.25 ppm	0.4249948	0.4250052	-4.16 ppm	9.00 ppm	PASS 33.98 %
0.400000 V	0.4000000	**0.3999979**	3.35 ppm	0.3999951	0.4000049	-5.28 ppm	9.00 ppm	PASS 42.73 %

0.375000 V	0.3750000	**0.3749982**	3.47 ppm	0.3749953	0.3750047	-4.76 ppm	9.00 ppm	PASS 38.19 %
0.350000 V	0.3500000	**0.3499984**	3.60 ppm	0.3499956	0.3500044	-4.57 ppm	9.00 ppm	PASS 36.28 %
0.325000 V	0.3250000	**0.3249983**	3.75 ppm	0.3249959	0.3250041	-5.16 ppm	9.00 ppm	PASS 40.49 %
0.300000 V	0.3000000	**0.2999987**	3.93 ppm	0.2999961	0.3000039	-4.31 ppm	9.00 ppm	PASS 33.36 %
0.275000 V	0.2750000	**0.2749990**	4.15 ppm	0.2749964	0.2750036	-3.69 ppm	9.00 ppm	PASS 28.10 %
0.250000 V	0.2500000	**0.2499991**	4.40 ppm	0.2499966	0.2500034	-3.52 ppm	9.00 ppm	PASS 26.24 %
0.225000 V	0.2250000	**0.2249993**	4.71 ppm	0.2249969	0.2250031	-3.07 ppm	9.00 ppm	PASS 22.37 %
0.200000 V	0.2000000	**0.1999990**	5.10 ppm	0.1999972	0.2000028	-4.98 ppm	9.00 ppm	PASS 35.32 %
0.175000 V	0.1750000	**0.1749986**	5.60 ppm	0.1749974	0.1750026	-8.07 ppm	9.00 ppm	PASS 55.26 %
0.150000 V	0.1500000	**0.1499993**	6.27 ppm	0.1499977	0.1500023	-4.47 ppm	9.00 ppm	PASS 29.29 %
0.125000 V	0.1250000	**0.1249995**	7.20 ppm	0.124998	0.125002	-4.19 ppm	9.00 ppm	PASS 25.88 %
0.100000 V	0.1000000	**0.0999994**	8.60 ppm	0.09999824	0.1000018	-5.97 ppm	9.00 ppm	PASS 33.91 %
0.075000 V	0.0750000	**0.0749995**	10.93 ppm	0.07499851	0.07500149	-6.51 ppm	9.00 ppm	PASS 32.65 %
0.050000 V	0.0500000	**0.0499995**	15.60 ppm	0.04999877	0.05000123	-9.37 ppm	9.00 ppm	PASS 38.08 %
0.025000 V	0.0250000	**0.0249997**	29.60 ppm	0.02499904	0.02500096	-13.19 ppm	9.00 ppm	PASS 34.17 %
0.010000 V	0.0100000	**0.0099997**	71.60 ppm	0.009999194	0.01000081	-29.63 ppm	9.00 ppm	PASS 36.76 %
-0.025000 V	-0.0250000	**-0.0250001**	29.60 ppm	-0.02500096	-0.02499904	5.29 ppm	9.00 ppm	PASS 13.71 %
-0.050000 V	-0.0500000	**-0.0500002**	15.60 ppm	-0.05000123	-0.04999877	4.35 ppm	9.00 ppm	PASS 17.67 %
-0.075000 V	-0.0750000	**-0.0750002**	10.93 ppm	-0.07500149	-0.07499851	2.36 ppm	9.00 ppm	PASS 11.85 %
-0.100000 V	-0.1000000	**-0.1000001**	8.60 ppm	-0.1000018	-0.09999824	0.68 ppm	9.00 ppm	PASS 3.86 %
-0.125000 V	-0.1250000	**-0.1250002**	7.20 ppm	-0.125002	-0.124998	1.99 ppm	9.00 ppm	PASS 12.30 %
-0.150000 V	-0.1500000	**-0.1500003**	6.27 ppm	-0.1500023	-0.1499977	2.03 ppm	9.00 ppm	PASS 13.27 %
-0.175000 V	-0.1750000	**-0.1750003**	5.60 ppm	-0.1750026	-0.1749974	1.61 ppm	9.00 ppm	PASS 11.00 %
-0.200000 V	-0.2000000	**-0.2000003**	5.10 ppm	-0.2000028	-0.1999972	1.29 ppm	9.00 ppm	PASS 9.18 %
-0.225000 V	-0.2250000	**-0.2250003**	4.71 ppm	-0.2250031	-0.2249969	1.12 ppm	9.00 ppm	PASS 8.20 %
-0.250000 V	-0.2500000	**-0.2500002**	4.40 ppm	-0.2500034	-0.2499966	0.65 ppm	9.00 ppm	PASS 4.84 %
-0.275000 V	-0.2750000	**-0.2750002**	4.15 ppm	-0.2750036	-0.2749964	0.78 ppm	9.00 ppm	PASS 5.92 %
-0.300000 V	-0.3000000	**-0.3000002**	3.93 ppm	-0.3000039	-0.2999961	0.80 ppm	9.00 ppm	PASS 6.16 %
-0.325000 V	-0.3250000	**-0.3250001**	3.75 ppm	-0.3250041	-0.3249959	0.46 ppm	9.00 ppm	PASS 3.62 %
-0.350000 V	-0.3500000	**-0.3500000**	3.60 ppm	-0.3500044	-0.3499956	-0.11 ppm	9.00 ppm	PASS 0.84 %
-0.375000 V	-0.3750000	**-0.3750001**	3.47 ppm	-0.3750047	-0.3749953	0.18 ppm	9.00 ppm	PASS 1.45 %
-0.400000 V	-0.4000000	**-0.4000003**	3.35 ppm	-0.4000049	-0.3999951	0.71 ppm	9.00 ppm	PASS 5.73 %
-0.425000 V	-0.4250000	**-0.4250002**	3.25 ppm	-0.4250052	-0.4249948	0.51 ppm	9.00 ppm	PASS 4.13 %
-0.450000 V	-0.4500000	**-0.4499999**	3.16 ppm	-0.4500055	-0.4499945	-0.20 ppm	9.00 ppm	PASS 1.68 %
-0.475000 V	-0.4750000	**-0.4750006**	3.07 ppm	-0.4750057	-0.4749943	1.20 ppm	9.00 ppm	PASS 9.91 %
-0.500000 V	-0.5000000	**-0.5000005**	3.00 ppm	-0.500006	-0.499994	0.99 ppm	9.00 ppm	PASS 8.27 %
-0.525000 V	-0.5250000	**-0.5250003**	2.93 ppm	-0.5250063	-0.5249937	0.66 ppm	9.00 ppm	PASS 5.56 %
-0.550000 V	-0.5500000	**-0.5500002**	2.87 ppm	-0.5500065	-0.5499935	0.28 ppm	9.00 ppm	PASS 2.36 %
-0.575000 V	-0.5750000	**-0.5749996**	2.82 ppm	-0.5750068	-0.5749932	-0.62 ppm	9.00 ppm	PASS 5.25 %
-0.600000 V	-0.6000000	**-0.5999990**	2.77 ppm	-0.6000071	-0.5999929	-1.62 ppm	9.00 ppm	PASS 13.79 %
-0.625000 V	-0.6250000	**-0.6250005**	2.72 ppm	-0.6250073	-0.6249927	0.78 ppm	9.00 ppm	PASS 6.66 %
-0.650000 V	-0.6500000	**-0.6500012**	2.68 ppm	-0.6500076	-0.6499924	1.80 ppm	9.00 ppm	PASS 15.38 %
-0.675000 V	-0.6750000	**-0.6749997**	2.64 ppm	-0.6750079	-0.6749921	-0.47 ppm	9.00 ppm	PASS 4.03 %
-0.700000 V	-0.7000000	**-0.6999988**	2.60 ppm	-0.7000081	-0.6999919	-1.75 ppm	9.00 ppm	PASS 15.05 %
-0.725000 V	-0.7250000	**-0.7249990**	2.57 ppm	-0.7250084	-0.7249916	-1.32 ppm	9.00 ppm	PASS 11.38 %
-0.750000 V	-0.7500000	**-0.7499988**	2.53 ppm	-0.7500086	-0.7499914	-1.66 ppm	9.00 ppm	PASS 14.39 %
-0.775000 V	-0.7750000	**-0.7749985**	2.50 ppm	-0.7750089	-0.7749911	-1.94 ppm	9.00 ppm	PASS 16.86 %
-0.800000 V	-0.8000000	**-0.7999992**	2.48 ppm	-0.8000092	-0.7999908	-1.04 ppm	9.00 ppm	PASS 9.04 %
-0.825000 V	-0.8250000	**-0.8249991**	2.45 ppm	-0.8250094	-0.8249906	-1.07 ppm	9.00 ppm	PASS 9.36 %
-0.850000 V	-0.8500000	**-0.8499988**	2.42 ppm	-0.8500097	-0.8499903	-1.38 ppm	9.00 ppm	PASS 12.04 %
-0.875000 V	-0.8750000	**-0.8749984**	2.40 ppm	-0.87501	-0.87499	-1.87 ppm	9.00 ppm	PASS 16.36 %
-0.900000 V	-0.9000000	**-0.8999990**	2.38 ppm	-0.9000102	-0.8999898	-1.10 ppm	9.00 ppm	PASS 9.71 %
-0.925000 V	-0.9250000	**-0.9249997**	2.36 ppm	-0.9250105	-0.9249895	-0.36 ppm	9.00 ppm	PASS 3.13 %
-0.950000 V	-0.9500000	**-0.9500003**	2.34 ppm	-0.9500108	-0.9499892	0.36 ppm	9.00 ppm	PASS 3.14 %
-0.975000 V	-0.9750000	**-0.9749989**	2.32 ppm	-0.975011	-0.974989	-1.10 ppm	9.00 ppm	PASS 9.72 %
-1.000000 V	-1.0000000	**-0.9999968**	2.30 ppm	-1.000011	-0.9999887	-3.18 ppm	9.00 ppm	PASS 28.16 %
-1.025000 V	-1.0250000	**-1.0249986**	2.28 ppm	-1.025012	-1.024988	-1.40 ppm	9.00 ppm	PASS 12.37 %

DCV Linearity	10V Range	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
10.250000 V	10.250000	**10.2499889**	1.04 ppm	10.2499	10.2501	-1.08 ppm	9.00 ppm	PASS 10.79 %
10.000000 V	10.000000	**9.9999896**	1.05 ppm	9.999899	10.0001	-1.04 ppm	9.00 ppm	PASS 10.30 %
9.750000 V	9.750000	**9.7499946**	1.06 ppm	9.749902	9.750098	-0.55 ppm	9.00 ppm	PASS 5.45 %
9.500000 V	9.500000	**9.4999934**	1.06 ppm	9.499904	9.500096	-0.69 ppm	9.00 ppm	PASS 6.85 %
9.250000 V	9.250000	**9.2499975**	1.07 ppm	9.249907	9.250093	-0.27 ppm	9.00 ppm	PASS 2.67 %
9.000000 V	9.000000	**8.9999960**	1.08 ppm	8.999909	9.000091	-0.44 ppm	9.00 ppm	PASS 4.38 %
8.750000 V	8.750000	**8.7499980**	1.09 ppm	8.749912	8.750088	-0.22 ppm	9.00 ppm	PASS 2.22 %
8.500000 V	8.500000	**8.4999957**	1.09 ppm	8.499914	8.500086	-0.51 ppm	9.00 ppm	PASS 5.03 %
8.250000 V	8.250000	**8.2499991**	1.10 ppm	8.249917	8.250083	-0.11 ppm	9.00 ppm	PASS 1.04 %
8.000000 V	8.000000	**7.9999978**	1.11 ppm	7.999919	8.000081	-0.28 ppm	9.00 ppm	PASS 2.78 %
7.750000 V	7.750000	**7.7499942**	1.12 ppm	7.749922	7.750078	-0.75 ppm	9.00 ppm	PASS 7.45 %
7.500000 V	7.500000	**7.4999963**	1.13 ppm	7.499924	7.500076	-0.49 ppm	9.00 ppm	PASS 4.84 %
7.250000 V	7.250000	**7.2499979**	1.14 ppm	7.249926	7.250074	-0.29 ppm	9.00 ppm	PASS 2.87 %
7.000000 V	7.000000	**6.9999984**	1.16 ppm	6.999929	7.000071	-0.23 ppm	9.00 ppm	PASS 2.26 %
6.750000 V	6.750000	**6.7499976**	1.17 ppm	6.749931	6.750069	-0.36 ppm	9.00 ppm	PASS 3.55 %
6.500000 V	6.500000	**6.4999941**	1.18 ppm	6.499934	6.500066	-0.91 ppm	9.00 ppm	PASS 8.90 %
6.250000 V	6.250000	**6.2499953**	1.20 ppm	6.249936	6.250064	-0.75 ppm	9.00 ppm	PASS 7.31 %
6.000000 V	6.000000	**5.9999956**	1.22 ppm	5.999939	6.000061	-0.74 ppm	9.00 ppm	PASS 7.21 %
5.750000 V	5.750000	**5.7499946**	1.23 ppm	5.749941	5.750059	-0.93 ppm	9.00 ppm	PASS 9.11 %
5.500000 V	5.500000	**5.4999950**	1.25 ppm	5.499944	5.500056	-0.91 ppm	9.00 ppm	PASS 8.90 %
5.250000 V	5.250000	**5.2499949**	1.28 ppm	5.249946	5.250054	-0.96 ppm	9.00 ppm	PASS 9.36 %
5.000000 V	5.000000	**4.9999930**	1.30 ppm	4.999949	5.000051	-1.40 ppm	9.00 ppm	PASS 13.63 %
4.750000 V	4.750000	**4.7499951**	1.33 ppm	4.749951	4.750049	-1.03 ppm	9.00 ppm	PASS 9.97 %
4.500000 V	4.500000	**4.4999950**	1.36 ppm	4.499953	4.500047	-1.10 ppm	9.00 ppm	PASS 10.62 %
4.250000 V	4.250000	**4.2499923**	1.39 ppm	4.249956	4.250044	-1.81 ppm	9.00 ppm	PASS 17.46 %
4.000000 V	4.000000	**3.9999930**	1.42 ppm	3.999958	4.000042	-1.76 ppm	9.00 ppm	PASS 16.87 %
3.750000 V	3.750000	**3.7499923**	1.47 ppm	3.749961	3.750039	-2.04 ppm	9.00 ppm	PASS 19.48 %
3.500000 V	3.500000	**3.4999917**	1.51 ppm	3.499963	3.500037	-2.37 ppm	9.00 ppm	PASS 22.59 %
3.250000 V	3.250000	**3.2499919**	1.57 ppm	3.249966	3.250034	-2.50 ppm	9.00 ppm	PASS 23.64 %
3.000000 V	3.000000	**2.9999909**	1.63 ppm	2.999968	3.000032	-3.04 ppm	9.00 ppm	PASS 28.60 %
2.750000 V	2.750000	**2.7499928**	1.71 ppm	2.749971	2.750029	-2.61 ppm	9.00 ppm	PASS 24.41 %
2.500000 V	2.500000	**2.4999913**	1.80 ppm	2.499973	2.500027	-3.48 ppm	9.00 ppm	PASS 32.22 %
2.250000 V	2.250000	**2.2499937**	1.91 ppm	2.249975	2.250025	-2.80 ppm	9.00 ppm	PASS 25.71 %
2.000000 V	2.000000	**1.9999934**	2.05 ppm	1.999978	2.000022	-3.32 ppm	9.00 ppm	PASS 30.05 %
1.750000 V	1.750000	**1.7499943**	2.23 ppm	1.74998	1.75002	-3.23 ppm	9.00 ppm	PASS 28.75 %
1.500000 V	1.500000	**1.4999956**	2.47 ppm	1.499983	1.500017	-2.95 ppm	9.00 ppm	PASS 25.75 %
1.250000 V	1.250000	**1.2499959**	2.80 ppm	1.249985	1.250015	-3.25 ppm	9.00 ppm	PASS 27.53 %
1.000000 V	1.000000	**0.9999975**	3.30 ppm	0.9999877	1.000012	-2.50 ppm	9.00 ppm	PASS 20.33 %
0.750000 V	0.750000	**0.7499983**	4.13 ppm	0.7499902	0.7500098	-2.21 ppm	9.00 ppm	PASS 16.84 %
0.500000 V	0.500000	**0.4999991**	5.80 ppm	0.4999926	0.5000074	-1.89 ppm	9.00 ppm	PASS 12.77 %
0.250000 V	0.250000	**0.2499993**	10.80 ppm	0.249995	0.250005	-2.89 ppm	9.00 ppm	PASS 14.61 %
0.100000 V	0.100000	**0.0999995**	25.80 ppm	0.09999652	0.1000035	-5.25 ppm	9.00 ppm	PASS 15.09 %
-0.100000 V	-0.100000	**-0.1000014**	25.80 ppm	-0.1000035	-0.09999652	14.09 ppm	9.00 ppm	PASS 40.49 %
-0.250000 V	-0.250000	**-0.2500009**	10.80 ppm	-0.250005	-0.249995	3.43 ppm	9.00 ppm	PASS 17.33 %
-0.500000 V	-0.500000	**-0.5000008**	5.80 ppm	-0.5000074	-0.4999926	1.51 ppm	9.00 ppm	PASS 10.20 %
-0.750000 V	-0.750000	**-0.7500012**	4.13 ppm	-0.7500098	-0.7499902	1.61 ppm	9.00 ppm	PASS 12.23 %
-1.000000 V	-1.000000	**-1.0000008**	3.30 ppm	-1.000012	-0.9999877	0.85 ppm	9.00 ppm	PASS 6.91 %
-1.250000 V	-1.250000	**-1.2500020**	2.80 ppm	-1.250015	-1.249985	1.62 ppm	9.00 ppm	PASS 13.76 %
-1.500000 V	-1.500000	**-1.5000028**	2.47 ppm	-1.500017	-1.499983	1.88 ppm	9.00 ppm	PASS 16.39 %
-1.750000 V	-1.750000	**-1.7500036**	2.23 ppm	-1.75002	-1.74998	2.07 ppm	9.00 ppm	PASS 18.47 %
-2.000000 V	-2.000000	**-2.0000045**	2.05 ppm	-2.000022	-1.999978	2.26 ppm	9.00 ppm	PASS 20.41 %
-2.250000 V	-2.250000	**-2.2500049**	1.91 ppm	-2.250025	-2.249975	2.19 ppm	9.00 ppm	PASS 20.08 %
-2.500000 V	-2.500000	**-2.5000053**	1.80 ppm	-2.500027	-2.499973	2.13 ppm	9.00 ppm	PASS 19.74 %
-2.750000 V	-2.750000	**-2.7500058**	1.71 ppm	-2.750029	-2.749971	2.11 ppm	9.00 ppm	PASS 19.69 %
-3.000000 V	-3.000000	**-3.0000060**	1.63 ppm	-3.000032	-2.999968	1.99 ppm	9.00 ppm	PASS 18.69 %
-3.250000 V	-3.250000	**-3.2500051**	1.57 ppm	-3.250034	-3.249966	1.56 ppm	9.00 ppm	PASS 14.73 %
-3.500000 V	-3.500000	**-3.5000068**	1.51 ppm	-3.500037	-3.499963	1.95 ppm	9.00 ppm	PASS 18.57 %

-3.750000 V	-3.750000	**-3.7500064**	1.47 ppm	-3.750039	-3.749961	1.72 ppm	9.00 ppm	PASS 16.40 %
-4.000000 V	-4.000000	**-4.0000039**	1.42 ppm	-4.000042	-3.999958	0.98 ppm	9.00 ppm	PASS 9.36 %
-4.250000 V	-4.250000	**-4.2500032**	1.39 ppm	-4.250044	-4.249956	0.76 ppm	9.00 ppm	PASS 7.29 %
-4.500000 V	-4.500000	**-4.5000043**	1.36 ppm	-4.500047	-4.499953	0.96 ppm	9.00 ppm	PASS 9.22 %
-4.750000 V	-4.750000	**-4.7500045**	1.33 ppm	-4.750049	-4.749951	0.96 ppm	9.00 ppm	PASS 9.25 %
-5.000000 V	-5.000000	**-5.0000038**	1.30 ppm	-5.000051	-4.999949	0.77 ppm	9.00 ppm	PASS 7.48 %
-5.250000 V	-5.250000	**-5.2500054**	1.28 ppm	-5.250054	-5.249946	1.02 ppm	9.00 ppm	PASS 9.91 %
-5.500000 V	-5.500000	**-5.5000022**	1.25 ppm	-5.500056	-5.499944	0.40 ppm	9.00 ppm	PASS 3.94 %
-5.750000 V	-5.750000	**-5.7500033**	1.23 ppm	-5.750059	-5.749941	0.57 ppm	9.00 ppm	PASS 5.59 %
-6.000000 V	-6.000000	**-6.0000022**	1.22 ppm	-6.000061	-5.999939	0.36 ppm	9.00 ppm	PASS 3.54 %
-6.250000 V	-6.250000	**-6.2499998**	1.20 ppm	-6.250064	-6.249936	-0.04 ppm	9.00 ppm	PASS 0.36 %
-6.500000 V	-6.500000	**-6.5000034**	1.18 ppm	-6.500066	-6.499934	0.52 ppm	9.00 ppm	PASS 5.15 %
-6.750000 V	-6.750000	**-6.7500012**	1.17 ppm	-6.750069	-6.749931	0.17 ppm	9.00 ppm	PASS 1.70 %
-7.000000 V	-7.000000	**-7.0000022**	1.16 ppm	-7.000071	-6.999929	0.32 ppm	9.00 ppm	PASS 3.14 %
-7.250000 V	-7.250000	**-7.2500028**	1.14 ppm	-7.250074	-7.249926	0.39 ppm	9.00 ppm	PASS 3.86 %
-7.500000 V	-7.500000	**-7.5000041**	1.13 ppm	-7.500076	-7.499924	0.55 ppm	9.00 ppm	PASS 5.40 %
-7.750000 V	-7.750000	**-7.7500019**	1.12 ppm	-7.750078	-7.749922	0.24 ppm	9.00 ppm	PASS 2.41 %
-8.000000 V	-8.000000	**-8.0000019**	1.11 ppm	-8.000081	-7.999919	0.23 ppm	9.00 ppm	PASS 2.30 %
-8.250000 V	-8.250000	**-8.2500025**	1.10 ppm	-8.250083	-8.249917	0.31 ppm	9.00 ppm	PASS 3.02 %
-8.500000 V	-8.500000	**-8.5000014**	1.09 ppm	-8.500086	-8.499914	0.17 ppm	9.00 ppm	PASS 1.69 %
-8.750000 V	-8.750000	**-8.7500045**	1.09 ppm	-8.750088	-8.749912	0.51 ppm	9.00 ppm	PASS 5.04 %
-9.000000 V	-9.000000	**-9.0000016**	1.08 ppm	-9.000091	-8.999909	0.17 ppm	9.00 ppm	PASS 1.71 %
-9.250000 V	-9.250000	**-9.2500021**	1.07 ppm	-9.250093	-9.249907	0.22 ppm	9.00 ppm	PASS 2.20 %
-9.500000 V	-9.500000	**-9.5000047**	1.06 ppm	-9.500096	-9.499904	0.49 ppm	9.00 ppm	PASS 4.88 %
-9.750000 V	-9.750000	**-9.7500051**	1.06 ppm	-9.750098	-9.749902	0.53 ppm	9.00 ppm	PASS 5.23 %
-10.000000 V	-10.000000	**-10.0000020**	1.05 ppm	-10.0001	-9.999899	0.20 ppm	9.00 ppm	PASS 1.99 %
-10.250000 V	-10.250000	**-10.2500033**	1.04 ppm	-10.2501	-10.2499	0.32 ppm	9.00 ppm	PASS 3.21 %

DCV Linearity	100V Range	DUT	Source unc.	Low Limit	Hi limit	Measured	24h spec	Result
102.5000 V	102.5000	**102.50001**	1.99 ppm	102.49887	102.50113	0.05 ppm	9.00 ppm	PASS 0.44 %
100.0000 V	100.0000	**100.00006**	2.00 ppm	99.9989	100.0011	0.57 ppm	9.00 ppm	PASS 5.18 %
97.5000 V	97.5000	**97.50013**	2.01 ppm	97.498927	97.501073	1.37 ppm	9.00 ppm	PASS 12.47 %
95.0000 V	95.0000	**95.00012**	2.02 ppm	94.998953	95.001047	1.30 ppm	9.00 ppm	PASS 11.80 %
92.5000 V	92.5000	**92.50016**	2.03 ppm	92.49898	92.50102	1.69 ppm	9.00 ppm	PASS 15.36 %
90.0000 V	90.0000	**90.00020**	2.04 ppm	89.999006	90.000994	2.24 ppm	9.00 ppm	PASS 20.28 %
87.5000 V	87.5000	**87.50027**	2.06 ppm	87.499032	87.500968	3.10 ppm	9.00 ppm	PASS 28.07 %
85.0000 V	85.0000	**85.00030**	2.07 ppm	84.999059	85.000941	3.50 ppm	9.00 ppm	PASS 31.63 %
82.5000 V	82.5000	**82.50029**	2.08 ppm	82.499086	82.500914	3.52 ppm	9.00 ppm	PASS 31.79 %
80.0000 V	80.0000	**80.00028**	2.10 ppm	79.999112	80.000888	3.49 ppm	9.00 ppm	PASS 31.41 %
77.5000 V	77.5000	**77.50028**	2.12 ppm	77.499138	77.500862	3.60 ppm	9.00 ppm	PASS 32.34 %
75.0000 V	75.0000	**75.00032**	2.13 ppm	74.999165	75.000835	4.32 ppm	9.00 ppm	PASS 38.83 %
72.5000 V	72.5000	**72.50027**	2.15 ppm	72.499192	72.500808	3.79 ppm	9.00 ppm	PASS 33.97 %
70.0000 V	70.0000	**70.00022**	2.17 ppm	69.999218	70.000782	3.19 ppm	9.00 ppm	PASS 28.52 %
67.5000 V	67.5000	**67.50021**	2.19 ppm	67.499245	67.500755	3.18 ppm	9.00 ppm	PASS 28.41 %
65.0000 V	65.0000	**65.00020**	2.22 ppm	64.999271	65.000729	3.06 ppm	9.00 ppm	PASS 27.26 %
62.5000 V	62.5000	**62.50030**	2.24 ppm	62.499297	62.500703	4.80 ppm	9.00 ppm	PASS 42.68 %
60.0000 V	60.0000	**60.00025**	2.27 ppm	59.999324	60.000676	4.24 ppm	9.00 ppm	PASS 37.62 %
57.5000 V	57.5000	**57.50025**	2.30 ppm	57.49935	57.50065	4.29 ppm	9.00 ppm	PASS 37.95 %
55.0000 V	55.0000	**55.00023**	2.33 ppm	54.999377	55.000623	4.14 ppm	9.00 ppm	PASS 36.57 %
52.5000 V	52.5000	**52.50012**	2.36 ppm	52.499404	52.500596	2.20 ppm	9.00 ppm	PASS 19.35 %
50.0000 V	50.0000	**50.00017**	2.40 ppm	49.99943	50.00057	3.37 ppm	9.00 ppm	PASS 29.56 %
47.5000 V	47.5000	**47.50019**	2.44 ppm	47.499457	47.500543	3.94 ppm	9.00 ppm	PASS 34.43 %
45.0000 V	45.0000	**45.00014**	2.49 ppm	44.999483	45.000517	3.16 ppm	9.00 ppm	PASS 27.48 %
42.5000 V	42.5000	**42.50014**	2.54 ppm	42.49951	42.50049	3.33 ppm	9.00 ppm	PASS 28.89 %
40.0000 V	40.0000	**40.00020**	2.60 ppm	39.999536	40.000464	4.94 ppm	9.00 ppm	PASS 42.59 %
37.5000 V	37.5000	**37.50018**	2.67 ppm	37.499562	37.500438	4.83 ppm	9.00 ppm	PASS 41.36 %
35.0000 V	35.0000	**35.00016**	2.74 ppm	34.999589	35.000411	4.60 ppm	9.00 ppm	PASS 39.16 %
32.5000 V	32.5000	**32.50011**	2.83 ppm	32.499616	32.500384	3.36 ppm	9.00 ppm	PASS 28.38 %

30.0000 V	30.0000	**30.00015**	2.93 ppm	29.999642	30.000358	4.96 ppm	9.00 ppm	PASS 41.58 %
27.5000 V	27.5000	**27.50014**	3.05 ppm	27.499669	27.500331	5.21 ppm	9.00 ppm	PASS 43.27 %
25.0000 V	25.0000	**25.00011**	3.20 ppm	24.999695	25.000305	4.54 ppm	9.00 ppm	PASS 37.25 %
22.5000 V	22.5000	**22.50007**	3.38 ppm	22.499721	22.500279	3.29 ppm	9.00 ppm	PASS 26.57 %
20.0000 V	20.0000	**20.00007**	3.60 ppm	19.999748	20.000252	3.65 ppm	9.00 ppm	PASS 28.97 %
17.5000 V	17.5000	**17.50010**	3.89 ppm	17.499774	17.500226	5.56 ppm	9.00 ppm	PASS 43.13 %
15.0000 V	15.0000	**15.00007**	4.27 ppm	14.999801	15.000199	4.85 ppm	9.00 ppm	PASS 36.52 %
12.5000 V	12.5000	**12.50005**	4.80 ppm	12.499828	12.500172	4.37 ppm	9.00 ppm	PASS 31.65 %
10.0000 V	10.0000	**10.00006**	5.60 ppm	9.999854	10.000146	6.07 ppm	9.00 ppm	PASS 41.58 %
7.5000 V	7.5000	**7.50007**	6.93 ppm	7.4998805	7.5001195	8.98 ppm	9.00 ppm	PASS 56.36 %
5.0000 V	5.0000	**5.00005**	9.60 ppm	4.999907	5.000093	10.38 ppm	9.00 ppm	PASS 55.83 %
2.5000 V	2.5000	**2.50004**	17.60 ppm	2.4999335	2.5000665	16.41 ppm	9.00 ppm	PASS 61.68 %
1.0000 V	1.0000	**1.00004**	41.60 ppm	0.9999494	1.0000506	40.00 ppm	9.00 ppm	PASS 79.05 %
-2.5000 V	-2.5000	**-2.49999**	17.60 ppm	-2.5000665	-2.4999335	-4.23 ppm	9.00 ppm	PASS 15.89 %
-5.0000 V	-5.0000	**-5.00001**	9.60 ppm	-5.000093	-4.999907	1.60 ppm	9.00 ppm	PASS 8.62 %
-7.5000 V	-7.5000	**-7.50002**	6.93 ppm	-7.5001195	-7.4998805	3.06 ppm	9.00 ppm	PASS 19.18 %
-10.0000 V	-10.0000	**-10.00003**	5.60 ppm	-10.000146	-9.999854	2.90 ppm	9.00 ppm	PASS 19.86 %
-12.5000 V	-12.5000	**-12.50004**	4.80 ppm	-12.500172	-12.499828	3.56 ppm	9.00 ppm	PASS 25.80 %
-15.0000 V	-15.0000	**-15.00006**	4.27 ppm	-15.000199	-14.999801	4.17 ppm	9.00 ppm	PASS 31.40 %
-17.5000 V	-17.5000	**-17.50009**	3.89 ppm	-17.500226	-17.499774	4.94 ppm	9.00 ppm	PASS 38.35 %
-20.0000 V	-20.0000	**-20.00012**	3.60 ppm	-20.000252	-19.999748	5.88 ppm	9.00 ppm	PASS 46.63 %
-22.5000 V	-22.5000	**-22.50015**	3.38 ppm	-22.500279	-22.499721	6.68 ppm	9.00 ppm	PASS 53.96 %
-25.0000 V	-25.0000	**-25.00019**	3.20 ppm	-25.000305	-24.999695	7.43 ppm	9.00 ppm	PASS 60.92 %
-27.5000 V	-27.5000	**-27.50022**	3.05 ppm	-27.500331	-27.499669	7.87 ppm	9.00 ppm	PASS 65.30 %
-30.0000 V	-30.0000	**-30.00023**	2.93 ppm	-30.000358	-29.999642	7.68 ppm	9.00 ppm	PASS 64.38 %
-32.5000 V	-32.5000	**-32.50025**	2.83 ppm	-32.500384	-32.499616	7.54 ppm	9.00 ppm	PASS 63.75 %
-35.0000 V	-35.0000	**-35.00028**	2.74 ppm	-35.000411	-34.999589	7.89 ppm	9.00 ppm	PASS 67.22 %
-37.5000 V	-37.5000	**-37.50028**	2.67 ppm	-37.500438	-37.499562	7.54 ppm	9.00 ppm	PASS 64.62 %
-40.0000 V	-40.0000	**-40.00035**	2.60 ppm	-40.000464	-39.999536	8.81 ppm	9.00 ppm	PASS 75.91 %
-42.5000 V	-42.5000	**-42.50030**	2.54 ppm	-42.50049	-42.49951	7.13 ppm	9.00 ppm	PASS 61.78 %
-45.0000 V	-45.0000	**-45.00030**	2.49 ppm	-45.000517	-44.999483	6.67 ppm	9.00 ppm	PASS 58.06 %
-47.5000 V	-47.5000	**-47.50033**	2.44 ppm	-47.500543	-47.499457	6.87 ppm	9.00 ppm	PASS 60.08 %
-50.0000 V	-50.0000	**-50.00040**	2.40 ppm	-50.00057	-49.99943	7.90 ppm	9.00 ppm	PASS 69.33 %
-52.5000 V	-52.5000	**-52.50042**	2.36 ppm	-52.500596	-52.499404	8.01 ppm	9.00 ppm	PASS 70.51 %
-55.0000 V	-55.0000	**-55.00042**	2.33 ppm	-55.000623	-54.999377	7.71 ppm	9.00 ppm	PASS 68.04 %
-57.5000 V	-57.5000	**-57.50046**	2.30 ppm	-57.50065	-57.49935	7.92 ppm	9.00 ppm	PASS 70.12 %
-60.0000 V	-60.0000	**-60.00047**	2.27 ppm	-60.000676	-59.999324	7.85 ppm	9.00 ppm	PASS 69.67 %
-62.5000 V	-62.5000	**-62.50051**	2.24 ppm	-62.500703	-62.499297	8.15 ppm	9.00 ppm	PASS 72.47 %
-65.0000 V	-65.0000	**-65.00049**	2.22 ppm	-65.000729	-64.999271	7.53 ppm	9.00 ppm	PASS 67.11 %
-67.5000 V	-67.5000	**-67.50046**	2.19 ppm	-67.500755	-67.499245	6.87 ppm	9.00 ppm	PASS 61.35 %
-70.0000 V	-70.0000	**-70.00058**	2.17 ppm	-70.000782	-69.999218	8.28 ppm	9.00 ppm	PASS 74.13 %
-72.5000 V	-72.5000	**-72.50053**	2.15 ppm	-72.500808	-72.499192	7.37 ppm	9.00 ppm	PASS 66.12 %
-75.0000 V	-75.0000	**-75.00054**	2.13 ppm	-75.000835	-74.999165	7.19 ppm	9.00 ppm	PASS 64.58 %
-77.5000 V	-77.5000	**-77.50059**	2.12 ppm	-77.500862	-77.499138	7.58 ppm	9.00 ppm	PASS 68.12 %
-80.0000 V	-80.0000	**-80.00066**	2.10 ppm	-80.000888	-79.999112	8.20 ppm	9.00 ppm	PASS 73.85 %
-82.5000 V	-82.5000	**-82.50068**	2.08 ppm	-82.500914	-82.499086	8.19 ppm	9.00 ppm	PASS 73.94 %
-85.0000 V	-85.0000	**-85.00070**	2.07 ppm	-85.000941	-84.999059	8.23 ppm	9.00 ppm	PASS 74.34 %
-87.5000 V	-87.5000	**-87.50067**	2.06 ppm	-87.500968	-87.499032	7.63 ppm	9.00 ppm	PASS 69.03 %
-90.0000 V	-90.0000	**-90.00077**	2.04 ppm	-90.000994	-89.999006	8.56 ppm	9.00 ppm	PASS 77.57 %
-92.5000 V	-92.5000	**-92.50077**	2.03 ppm	-92.50102	-92.49898	8.29 ppm	9.00 ppm	PASS 75.12 %
-95.0000 V	-95.0000	**-95.00070**	2.02 ppm	-95.001047	-94.998953	7.32 ppm	9.00 ppm	PASS 66.46 %
-97.5000 V	-97.5000	**-97.50083**	2.01 ppm	-97.501073	-97.498927	8.52 ppm	9.00 ppm	PASS 77.37 %
-100.0000 V	-100.0000	**-100.00086**	2.00 ppm	-100.0011	-99.9989	8.63 ppm	9.00 ppm	PASS 90.84 %
-102.5000 V	-102.5000	**-102.50088**	1.99 ppm	-102.50113	-102.49887	8.62 ppm	9.00 ppm	PASS 79.59 %

Test completed

Test date	24 October 2018 22:16

Lab temperature maintained +24°C ±2°C

Internal use only

Not validated