

Test ID:	FN5B 19048
Date:	1/29/20

ISS-1											
Test Duration (hh:mm:ss)	T <sub>i</sub>	V <sub>m</sub>	v <sub>g</sub>	T <sub>g</sub>	T <sub>g</sub>	V <sub>m</sub>	v <sub>g</sub>	T <sub>g</sub>	T <sub>g</sub>	PR	
0:00:00			0.16								
0:10:00	10	0.129	1.284993	289.4	290.1222	0.129	0.72	289.9631	289.4	177	
0:20:00	20	0.133	1.203009	289.7	318.2056	0.262	1.24	301.8087	289.9556	103	
0:30:00	30	0.132	0.891928	290.0	333.7333	0.394	1.05	320.3667	290.65	89	
0:40:00	40	0.135	0.812707	290.5	343.0389	0.529	0.85	338.9481	291.6222	98	
0:50:00	50	0.136	0.758841	290.9	344.7889	0.665	0.79	349.8189	292.5944	97	
1:00:00	60	0.135	0.759974	291.2	345.9278	0.800	0.76	359.3203	293.15	97	
1:10:00	70	0.135	0.765406	291.6	346.0944	0.936	0.76	364.9921	293.7056	96	
1:20:00	80	0.136	0.765828	291.9	345.8444	1.071	0.77	370.198	294.1222	94	
1:30:00	90	0.137	0.763618	292.2	348.15	1.208	0.76	373.9607	294.4	94	
1:40:00	100	0.136	0.701367	292.4	348.5944	1.344	0.73	377.06	294.8167	89	
1:50:00	110	0.136	0.6988	292.6	349.9833	1.480	0.70	380.2956	295.0944	92	
2:00:00	120	0.138	0.704333	292.8	349.6222	1.619	0.70	382.5713	295.0944	93	
2:10:00	130	0.139	0.739016	293.0	336.3722	1.757	0.72	384.0245	295.2333	91	
2:20:00	140	0.141	0.832009	293.2	335.3444	1.898	0.79	383.8583	295.65	95	
2:30:00	150	0.143	0.841696	293.4	334.6222	2.041	0.84	383.6533	295.9278	91	
2:40:00	160	0.144	0.826959	293.5	335.4	2.185	0.83	383.4447	295.9278	91	
2:50:00	170	0.145	0.829833	293.7	334.8167	2.330	0.83	383.3849	296.0667	92	
3:00:00	180	0.144	0.83092	293.8	336.4833	2.474	0.83	383.3059	296.4833	91	
3:10:00	190	0.145	0.821079	294.0	335.3722	2.619	0.83	383.2971	297.0389	90	
3:20:00	200	0.145	0.816695	294.2	335.0944	2.764	0.82	383.3833	297.4556	91	
3:30:00	210	0.144	0.824189	294.3	335.6778	2.908	0.82	383.3026	297.5944	91	
3:40:00	220	0.145	0.806158	294.5	335.9556	3.053	0.82	383.291	297.7333	90	
3:50:00	230	0.145	0.833537	294.7	336.7611	3.198	0.82	383.3186	298.15	92	
4:00:00	240	0.145	0.828026	294.8	336.3167	3.344	0.83	383.469	298.4278	90	
4:10:00	250	0.147	0.847739	294.9	329.3722	3.490	0.84	383.3087	298.4278	90	
4:20:00	260	0.146	0.894513	295.1	325.7611	3.636	0.87	382.5238	298.4278	90	
4:30:00	270	0.143	0.882474	295.2	327.4278	3.779	0.89	381.9167	298.4278	86	
4:40:00	280	0.146	0.867793	295.3	326.8722	3.925	0.88	381.4022	298.4278	88	
4:50:00	290	0.145	0.828	295.4	328.0944	4.069	0.85	380.8165	298.2889	86	
5:00:00	300	0.146	0.872	295.5	325.9	4.216	0.85	380.315	298.0111	91	
5:10:00	310	0.145	0.881	295.5	325.5667	4.360	0.88	379.7268	297.5944	88	
5:20:00	320	0.144	0.862502	295.6	327.0389	4.505	0.87	379.3	297.0389	87	
5:30:00	330	0.145	0.881084	295.6	326.3722	4.649	0.87	378.7784	296.4833	89	
5:40:00	340	0.145	0.872167	295.6	325.5111	4.795	0.88	378.3873	296.2056	88	
5:50:00	350	0.144	0.873368	295.6	324.9278	4.939	0.87	377.9146	296.2056	88	
6:00:00	360	0.144	0.86316	295.7	327.0667	5.083	0.87	377.5394	296.3444	88	
6:10:00	370	0.145	0.88041	295.7	326.0111	5.227	0.87	377.2068	296.6222	89	
6:20:00	380	0.145	0.891269	295.7	326.6222	5.372	0.89	376.7814	296.9	89	
6:30:00	390	0.144	0.878933	295.7	325.6778	5.517	0.89	376.4977	297.0389	87	
6:40:00	400	0.144	0.872034	295.8	326.5111	5.661	0.88	376.1499	296.7611	88	
6:50:00	410	0.146	0.853417	295.8	326.2056	5.807	0.86	375.9141	296.3444	88	
7:00:00	420	0.144	#VALUE!	Error	326.65	5.951	#VALUE!	375.6094	Error	#VALUE!	

ISS-2											
Test Duration (hh:mm:ss)	T <sub>i</sub>	V <sub>m</sub>	v <sub>g</sub>	T <sub>g</sub>	T <sub>g</sub>	V <sub>m</sub>	v <sub>g</sub>	T <sub>g</sub>	T <sub>g</sub>	PR	
0:00:00			0.16								
0:10:00	10	0.134	1.284993	290.3722	290.1222	0.134363	0.72	289.9631	290.3722	177	
0:20:00	20	0.134	1.203009	290.3722	318.2056	0.268727	1.24	301.8087	290.3722	102	
0:30:00	30	0.135	0.891928	290.3722	333.7333	0.403515	1.05	320.3667	290.3722	89	
0:40:00	40	0.138	0.812707	290.65	343.0389	0.543418	0.85	338.9481	290.65	98	
0:50:00	50	0.138	0.758841	291.2056	344.7889	0.679746	0.79	349.8189	291.2056	97	
1:00:00	60	0.139	0.759974	291.7611	345.9278	0.819206	0.76	359.3203	291.7611	98	
1:10:00	70	0.139	0.765406	292.3167	346.0944	0.958242	0.76	364.9921	292.3167	97	
1:20:00	80	0.139	0.765828	292.5944	345.8444	1.097561	0.77	370.198	292.5944	95	
1:30:00	90	0.140	0.763618	292.8722	348.15	1.237871	0.76	373.9607	292.8722	95	
1:40:00	100	0.140	0.701367	293.15	348.5944	1.378039	0.73	377.06	293.15	90	
1:50:00	110	0.141	0.6988	293.4278	349.9833	1.519199	0.70	380.2956	293.4278	94	
2:00:00	120	0.140	0.704333	293.7056	349.6222	1.658801	0.70	382.5713	293.7056	93	
2:10:00	130	0.141	0.739016	293.9833	336.3722	1.799989	0.72	384.0245	293.9833	91	
2:20:00	140	0.143	0.832009	294.2611	335.3444	1.943385	0.79	383.8583	294.2611	96	
2:30:00	150	0.146	0.841696	294.2611	334.6222	2.089642	0.84	383.6533	294.2611	92	
2:40:00	160	0.147	0.826959	294.2611	335.4	2.236323	0.83	383.4447	294.2611	91	
2:50:00	170	0.149	0.829833	294.2611	334.8167	2.385694	0.83	383.3849	294.2611	93	
3:00:00	180	0.146823	0.83092	294.5389	336.4833	2.532517	0.83	383.3059	294.5389	92	
3:10:00	190	0.148522	0.821079	295.0944	335.3722	2.681039	0.83	383.2971	295.0944	92	
3:20:00	200	0.151495	0.816695	295.65	335.0944	2.832534	0.82	383.3833	295.65	93	
3:30:00	210	0.146398	0.824189	295.9278	335.6778	2.978932	0.82	383.3026	295.9278	91	
3:40:00	220	0.148947	0.806158	296.2056	335.9556	3.127879	0.82	383.291	296.2056	91	
3:50:00	230	0.148522	0.833537	296.4833	336.7611	3.276401	0.82	383.3186	296.4833	93	
4:00:00	240	0.150362	0.828026	296.7611	336.3167	3.426763	0.83	383.469	296.7611	92	
4:10:00	250	0.151592	0.84739	297.0389	329.3722	3.578683	0.84	383.3087	297.0389	92	
4:20:00	260	0.145973	0.894513	297.0389	325.7611	3.724656	0.87	382.5238	297.0389	89	
4:30:00	270	0.147248	0.882474	297.0389	327.4278	3.871904	0.89	381.9167	297.0389	87	
4:40:00	280	0.150929	0.867793	297.0389	326.8722	4.022833	0.88	381.4022	297.0389	89	
4:50:00	290	0.148663	0.828	297.0389	328.0944	4.171496	0.85	380.8165	297.0389	87	
5:00:00	300	0.149938	0.872	297.0389	325.9	4.321434	0.85	380.315	297.0389	92	
5:10:00	310	0.149655	0.881	296.7611	325.5667	4.473088	0.88	379.7268	296.7611	89	
5:20:00	320	0.149796	0.862502	296.2056	327.0389	4.620885	0.87	379.3	296.2056	88	
5:30:00	330	0.148947	0.881084	295.65	326.3722	4.769831	0.87	378.7784	295.65	90	
5:40:00	340	0.152911	0.872167	295.3722	325.5111	4.922742	0.88	378.3873	295.3722	90	
5:50:00	350	0.145407	0.873368	295.0944	324.9278	5.068149	0.87	377.9146	295.0944	86	
6:00:00	360	0.148239	0.86316	294.8167	327.0667	5.216388	0.87	377.5394	294.8167	88	
6:10:00	370	0.148522	0.88041	294.8167	326.0111	5.364891	0.87	377.2068	294.8167	89	
6:20:00	380	0.14923	0.891269	295.0944	326.6222	5.51414	0.89	376.7814	295.0944	90	
6:30:00	390	0.152203	0.878933	295.3722	325.6778	5.666343	0.89	376.4977	295.3722	90	
6:40:00	400	0.146115	0.872034	295.3722	326.5111	5.812458	0.88	376.1499	295.3722	87	
6:50:00	410	0.152203	0.853417	295.3722	326.2056	5.964661	0.86	375.9141	295.3722	90	
7:00:00	420	0.150787	#VALUE!	Error	326.65	6.115448	#VALUE!	375.6094	Error	#VALUE!	

T <sub>i</sub>	total sampling time	min
V <sub>m</sub>	volume of dry gas sample as measured by dry gas meter during each 10 minute interval, <i>i</i> , of the test run	dry m <sup>3</sup>
v <sub>g</sub>	average gas velocity in the dilution tunnel (gas molecular weight may be assumed to be 29g/gmol)	m/s
T <sub>g</sub>	absolute average dry gas meter temperature	K
T <sub>g</sub>	absolute average gas temperature in the dilution tunnel during each 10 min interval, <i>i</i> , of test run	K
V <sub>m</sub>	volume of gas sample as measured by dry gas meter	dry m <sup>3</sup>
v <sub>g</sub>	average gas velocity in the dilution tunnel during each 10 min interval, <i>i</i> , of the test run	m/s
T <sub>g</sub>	absolute average gas temperature in the dilution tunnel	K
T <sub>g</sub>	absolute average dry gas meter temperature during each 10 min interval, <i>i</i> , of the test run	K
PR	proportional rate variation for each 10 minute interval	%

