

LOT 511423

17/03/2021

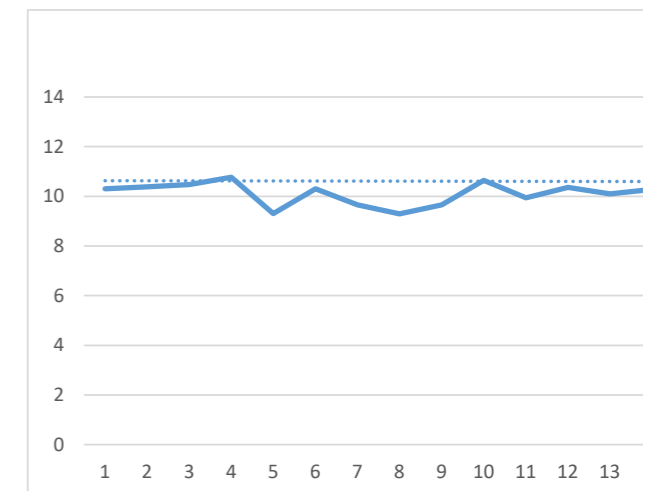
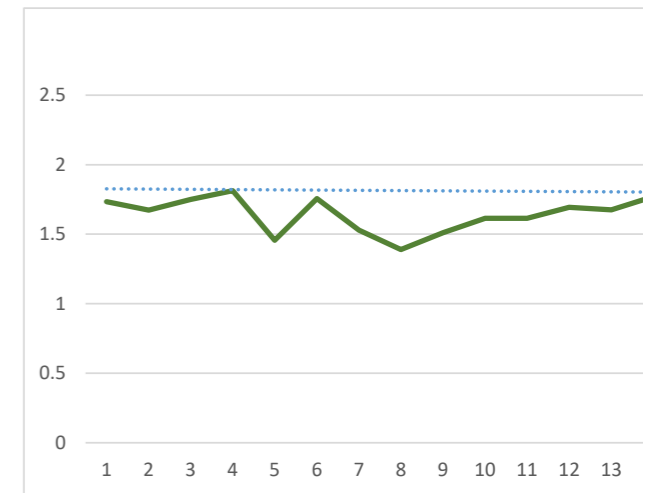
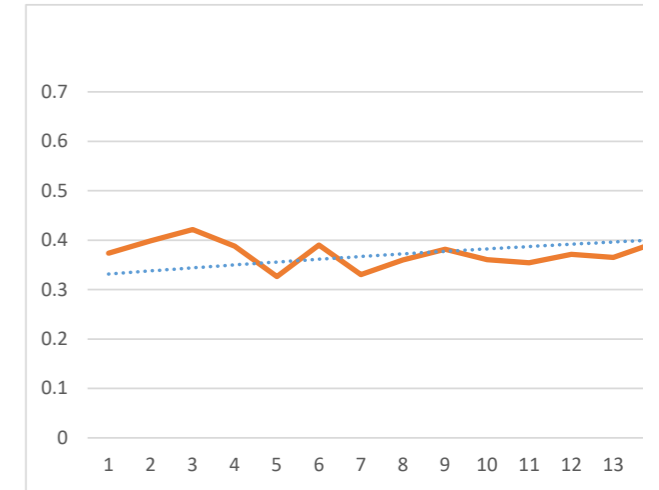
22/12/2020

3 sheets	0.3738	0.3989	0.4212	0.388	0.3262	0.3899	0.3304	0.36	0.3817	0.3606	0.3544	0.3715	0.3653	0.3948	0.4014	0.4111	0.3686	0.4143	0.3617	0.4143	0.3617	0.413	0.4101	0.3915
2 sheets	1.7334	1.6722	1.7503	1.8133	1.4559	1.7565	1.5299	1.3901	1.5121	1.6154	1.6154	1.694	1.6761	1.7707	1.7085	1.8657	1.6945	1.9032	1.736	1.9032	1.736	1.7658	1.7449	1.73
1 sheet	10.301	10.387	10.472	10.766	9.3072	10.302	9.6603	9.29	9.6531	10.642	9.942	10.358	10.099	10.278	10.56	10.509	10.129	11.061	10.215	11.061	10.215	10.401	9.9775	10.177

31/03/2021

4 sheets	0.1286	0.1395	0.1366	0.137	0.1397	0.1575	0.1571	0.1236
3 sheets	0.4721	0.4451	0.4208	0.3911	0.4252	0.4387	0.4109	0.4101
2 sheets	2.0229	1.8573	1.7779	1.7844	1.9229	1.945	1.7859	1.7959

STD DEV	min	max	N	Average
0.0113	0.1236	0.1575	8	0.13995
0.0234	0.3911	0.4721	8	0.42675
0.0864	1.7779	2.0229	8	1.861525



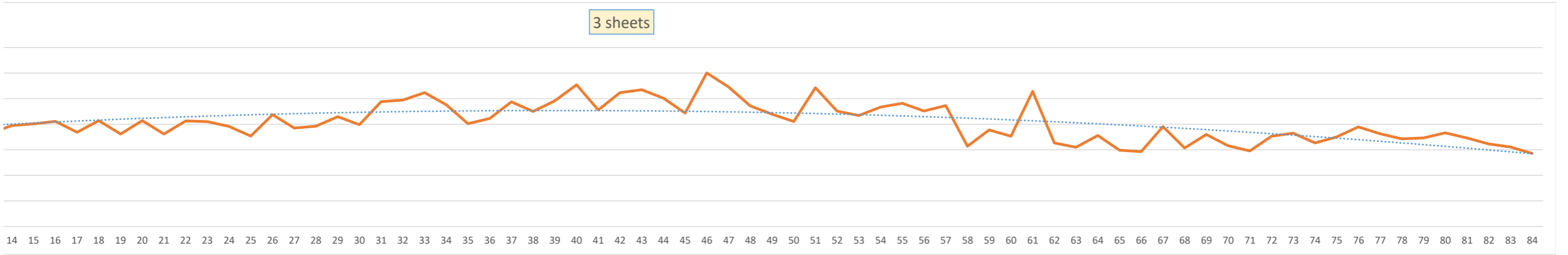
Lot 511423  
4/12/2020

Data source: Daily verification records in E20-354732.  
25/11/2020

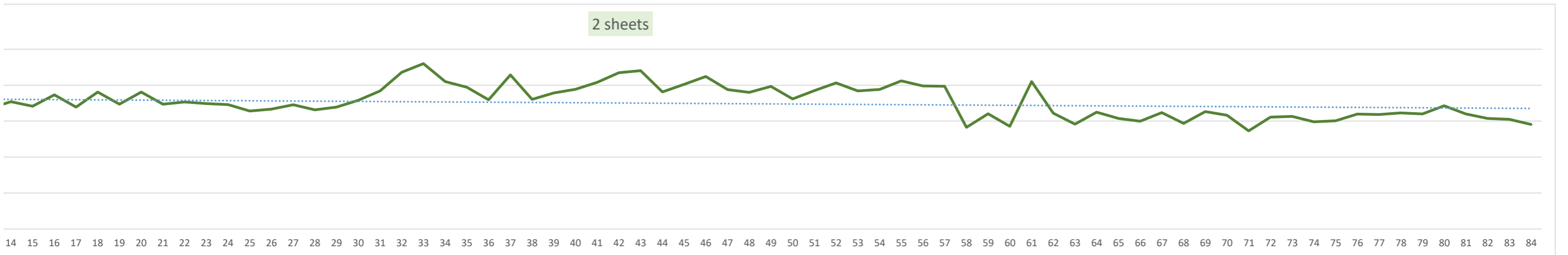
19/11/2020

0.3539	0.4374	0.3849	0.3923	0.4295	0.3981	0.4879	0.4946	0.5235	0.4761	0.4019	0.4228	0.4877	0.4500	0.4917	0.5542	0.4554	0.5237	0.5350	0.5017	0.4435	0.6005	0.5457	0.4717	0.4393
1.6412	1.6663	1.7283	1.6561	1.6955	1.7913	1.9203	2.1796	2.2997	2.0497	1.9719	1.7958	2.1435	1.8034	1.8922	1.9434	2.0400	2.1739	2.2029	1.9052	2.0123	2.1200	1.9381	1.9007	1.9828
10.258	10.118	10.091	9.9831	9.8538	10.733	11.362	12.482	12.345	11.328	11.5090	9.5302	11.3170	11.0970	11.1390	11.4160	11.1200	11.9820	11.9690	11.0480	11.4530	11.7400	11.2430	11.4390	11.5110

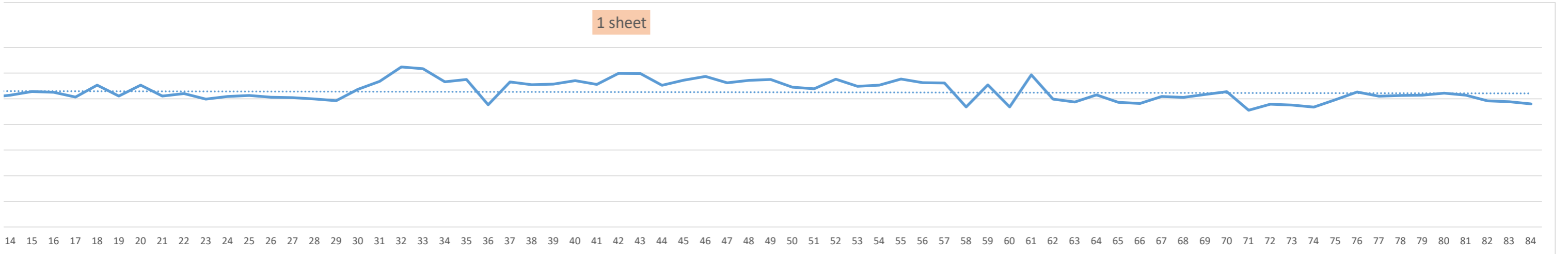
3 sheets



2 sheets



1 sheet



0.4104	0.5429	0.4508	0.4338	0.4673	0.4818	0.4514	0.4730	0.3135	0.3774	0.3528	0.5287	0.3271	0.3097	0.3560	0.2984	0.2929	0.3906	0.3067	0.3599	0.3162	0.2955	0.3528	0.3653	0.3269
1.8094	1.9250	2.0311	1.9194	1.9410	2.0607	1.9887	1.9852	1.4135	1.6031	1.4274	2.0496	1.6113	1.4585	1.6255	1.5369	1.4995	1.6193	1.4680	1.6325	1.5826	1.3648	1.5559	1.5653	1.4912
10.9040	10.7750	11.5320	10.9780	11.0600	11.5440	11.2520	11.2280	9.3608	11.0810	9.3624	11.8690	9.9745	9.7513	10.3050	9.7240	9.6286	10.1730	10.1140	10.3390	10.5510	9.1056	9.5767	9.5145	9.3500

The precision and accuracy of the instrument is monitored by this validation method which is incorporated in the automated filter tester procedure. This procedure is performed on a daily basis when testing is performed. This procedure is designed to test many aspects of the instrument including proper photometer and general system operation.

The validation technique uses "green line" filter media discs, 15 cm diameter, HE 1071 grade L.W. Tremont brand, P/N 5500164, with a known penetration range, which are tested at least once in each 8-hour test period.

One sheet of media is placed between the chuck and the penetration, flow rate and pressure drop is measured to evaluate higher range of penetration values. Three and two sheets are stacked together to evaluate the lower range of penetration values. The analysis of these readings over the long term was used to examine the precision and accuracy. The table below summarises the data.

**Variables:** Often greenline media sheets were re-used because they cost about \$10 each. The consequence of re-using green-line media sheets is as they accumulate more salt pressure drop increases which places the penetration reading towards the narrower section of limit curves.

The penetration results for each combination of sheets is seen to be trending to lower penetration as the months go by. This can be through re-use and different batches of green line media.

Since March 2021, 4, 3, & 2 sheets are used

14/10/2020

30/09/2020

RANGE

										STD DEV	min	max	N	Average
0.3504	0.3896	0.3630	0.3426	0.3465	0.3662	0.3464	0.3230	0.3108	0.2859	0.0699	0.2859	0.6005	84	0.403257
1.5043	1.5983	1.5925	1.6139	1.6010	1.7132	1.6007	1.5369	1.5261	1.4547	0.2150	1.3648	2.2997	84	1.751598
9.9302	10.5280	10.1970	10.2590	10.2840	10.4350	10.2830	9.8352	9.7704	9.6027	0.7649	9.1056	12.4820	84	10.52391