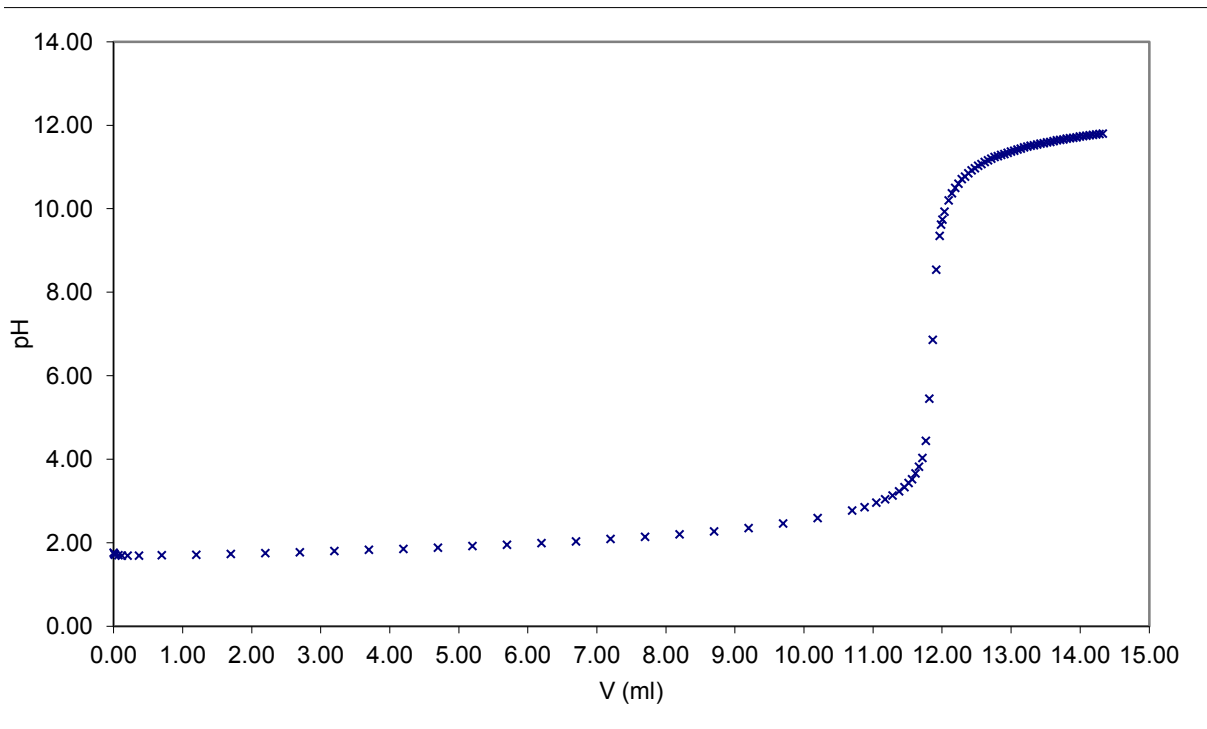


HCl 1

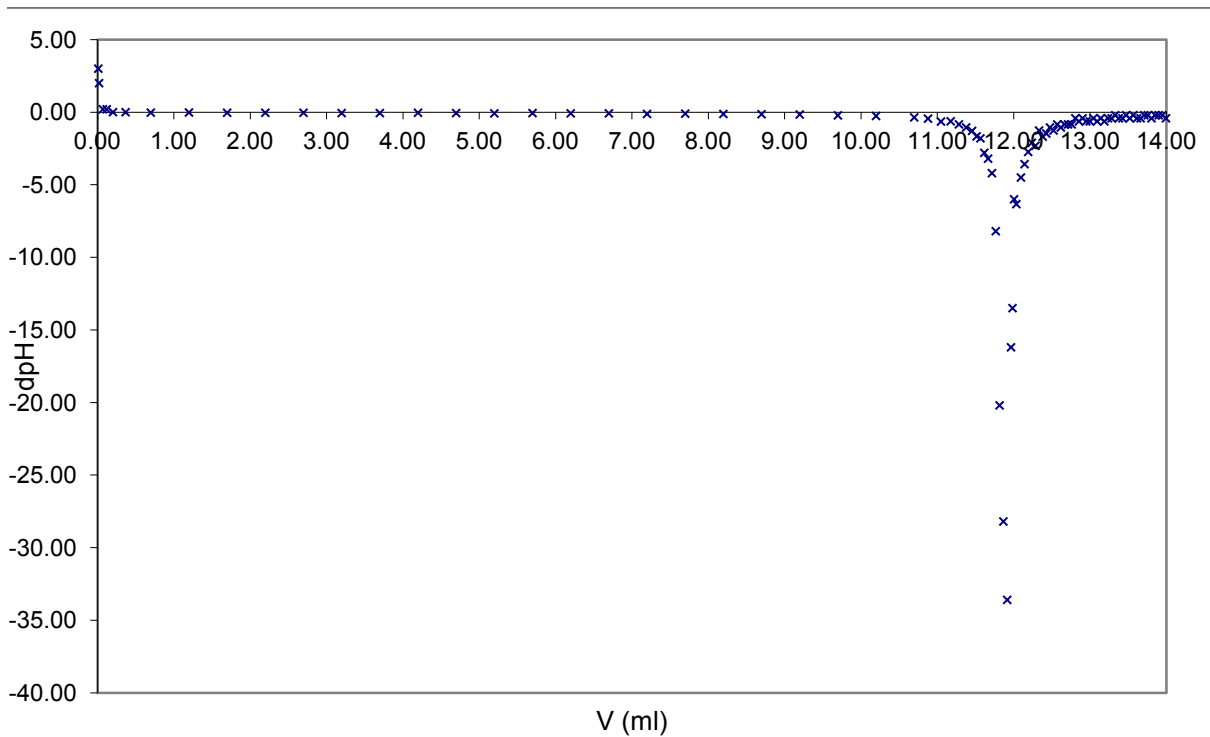
V	pH	dpH	d'pH
0.00	1.76		
0.01	1.73	3.00	
0.02	1.71	2.00	-100.00
0.07	1.70	0.20	-36.00
0.12	1.69	0.20	0.00
0.20	1.69	0.00	-2.42
0.37	1.69	0.00	0.00
0.70	1.70	-0.03	-0.09
1.20	1.71	-0.02	0.02
1.70	1.73	-0.04	-0.04
2.20	1.75	-0.04	0.00
2.70	1.77	-0.04	0.00
3.20	1.80	-0.06	-0.04
3.70	1.83	-0.06	0.00
4.20	1.85	-0.04	0.04
4.70	1.88	-0.06	-0.04
5.20	1.92	-0.08	-0.04
5.70	1.95	-0.06	0.04
6.20	1.99	-0.08	-0.04
6.70	2.03	-0.08	0.00
7.20	2.09	-0.12	-0.08
7.70	2.14	-0.10	0.04
8.20	2.20	-0.12	-0.04
8.70	2.27	-0.14	-0.04
9.20	2.35	-0.16	-0.04
9.70	2.46	-0.22	-0.12
10.20	2.59	-0.26	-0.08
10.70	2.77	-0.36	-0.20
10.88	2.85	-0.44	-0.47
11.05	2.96	-0.65	-1.19
11.18	3.04	-0.63	0.15
11.28	3.13	-0.84	-1.95
11.38	3.23	-1.05	-2.27
11.46	3.33	-1.29	-3.07
11.52	3.43	-1.67	-6.27
11.57	3.52	-1.80	-2.67
11.62	3.66	-2.80	-20.00
11.67	3.82	-3.20	-8.00
11.72	4.03	-4.20	-20.00
11.77	4.44	-8.20	-80.00
11.82	5.45	-20.20	-240.00
11.87	6.86	-28.20	-160.00
11.92	8.54	-33.60	-108.00
11.97	9.35	-16.20	348.00
11.99	9.62	-13.50	135.00
12.01	9.74	-6.00	375.00
12.04	9.93	-6.33	-11.11
12.10	10.20	-4.50	30.56
12.14	10.37	-3.58	19.39
12.19	10.50	-2.74	17.73
12.24	10.60	-2.11	13.30
12.29	10.71	-2.32	-4.43
12.33	10.77	-1.26	22.16

12.38	10.85	-1.68	-8.86
12.43	10.92	-1.47	4.43
12.48	10.97	-1.05	8.86
12.52	11.03	-1.26	-4.43
12.57	11.07	-0.84	8.86
12.62	11.12	-1.05	-4.43
12.67	11.16	-0.84	4.43
12.71	11.20	-0.84	0.00
12.76	11.24	-0.84	0.00
12.81	11.26	-0.42	8.86
12.86	11.29	-0.63	-4.43
12.90	11.31	-0.42	4.43
12.95	11.34	-0.63	-4.43
13.00	11.37	-0.63	0.00
13.05	11.39	-0.42	4.43
13.09	11.42	-0.63	-4.43
13.14	11.44	-0.42	4.43
13.19	11.47	-0.63	-4.43
13.24	11.49	-0.42	4.43
13.28	11.51	-0.42	0.00
13.33	11.52	-0.21	4.43
13.38	11.54	-0.42	-4.43
13.43	11.56	-0.42	0.00
13.47	11.57	-0.21	4.43
13.52	11.59	-0.42	-4.43
13.57	11.60	-0.21	4.43
13.62	11.62	-0.42	-4.43
13.66	11.64	-0.42	0.00
13.71	11.65	-0.21	4.43
13.76	11.66	-0.21	0.00
13.81	11.68	-0.42	-4.43
13.85	11.69	-0.21	4.43
13.90	11.70	-0.21	0.00
13.95	11.71	-0.21	0.00
14.00	11.73	-0.42	-4.43
14.04	11.74	-0.21	4.43
14.09	11.75	-0.21	0.00
14.14	11.76	-0.21	0.00
14.19	11.77	-0.21	0.00
14.23	11.78	-0.21	0.00
14.28	11.79	-0.21	0.00
14.33	11.80	-0.21	0.00

Graf: *Titrační křivka HCl 1*



Graf: *Derivační křivka HCl 1*





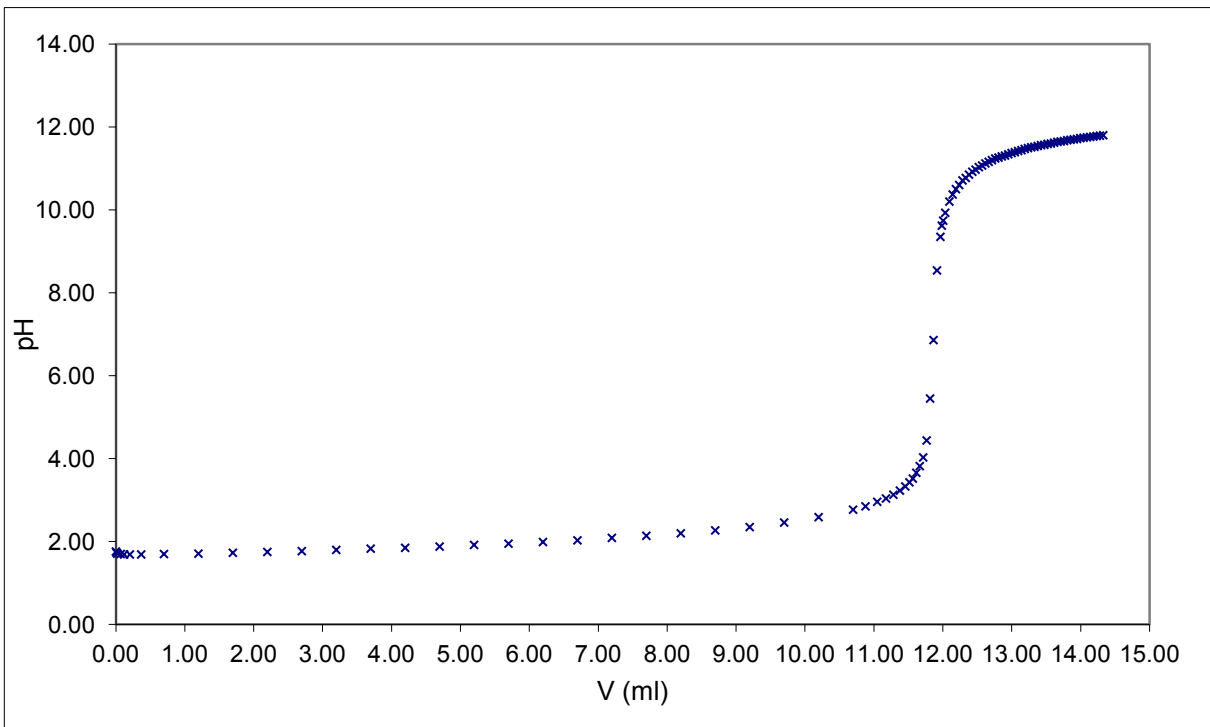


HCl 2

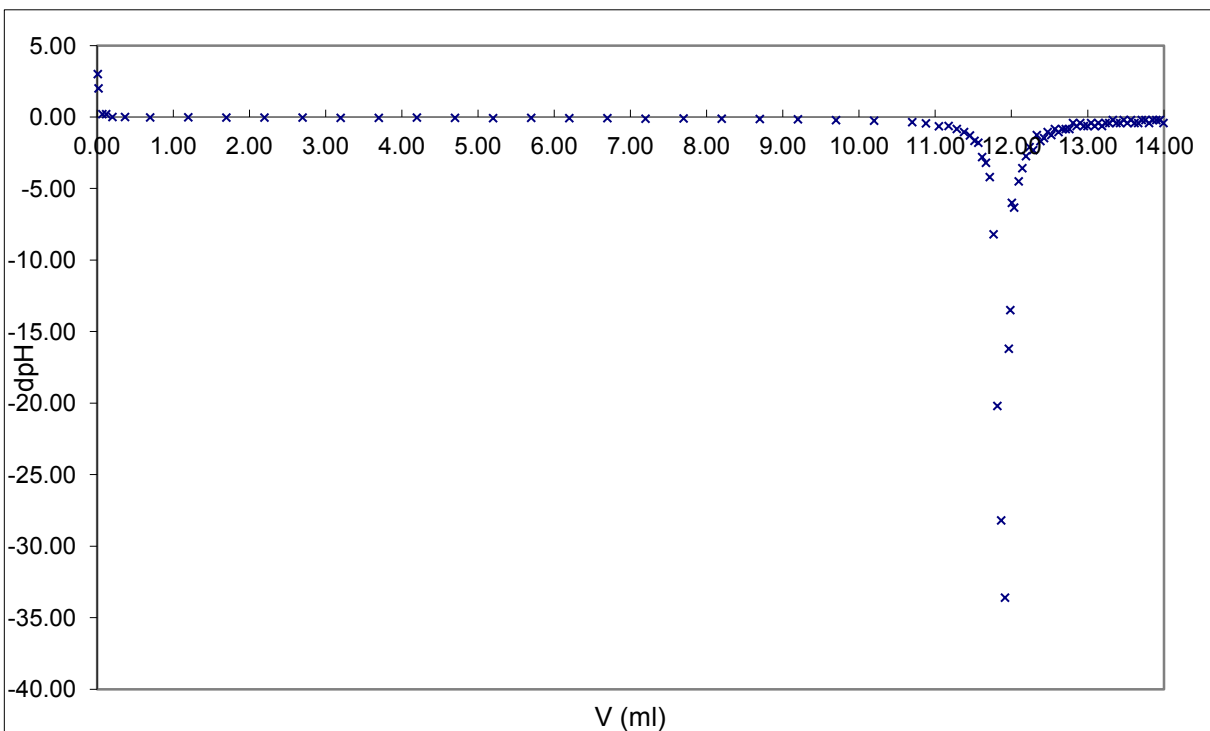
V	pH	dpH	d'pH
0.00	1.76		
0.01	1.73	3.00	
0.02	1.71	2.00	-100.00
0.07	1.70	0.20	-36.00
0.12	1.69	0.20	0.00
0.20	1.69	0.00	-2.42
0.37	1.69	0.00	0.00
0.70	1.70	-0.03	-0.09
1.20	1.71	-0.02	0.02
1.70	1.73	-0.04	-0.04
2.20	1.75	-0.04	0.00
2.70	1.77	-0.04	0.00
3.20	1.80	-0.06	-0.04
3.70	1.83	-0.06	0.00
4.20	1.85	-0.04	0.04
4.70	1.88	-0.06	-0.04
5.20	1.92	-0.08	-0.04
5.70	1.95	-0.06	0.04
6.20	1.99	-0.08	-0.04
6.70	2.03	-0.08	0.00
7.20	2.09	-0.12	-0.08
7.70	2.14	-0.10	0.04
8.20	2.20	-0.12	-0.04
8.70	2.27	-0.14	-0.04
9.20	2.35	-0.16	-0.04
9.70	2.46	-0.22	-0.12
10.20	2.59	-0.26	-0.08
10.70	2.77	-0.36	-0.20
10.88	2.85	-0.44	-0.47
11.05	2.96	-0.65	-1.19
11.18	3.04	-0.63	0.15
11.28	3.13	-0.84	-1.95
11.38	3.23	-1.05	-2.27
11.46	3.33	-1.29	-3.07
11.52	3.43	-1.67	-6.27
11.57	3.52	-1.80	-2.67
11.62	3.66	-2.80	-20.00
11.67	3.82	-3.20	-8.00
11.72	4.03	-4.20	-20.00
11.77	4.44	-8.20	-80.00
11.82	5.45	-20.20	-240.00
11.87	6.86	-28.20	-160.00
11.92	8.54	-33.60	-108.00
11.97	9.35	-16.20	348.00
11.99	9.62	-13.50	135.00
12.01	9.74	-6.00	375.00
12.04	9.93	-6.33	-11.11
12.10	10.20	-4.50	30.56
12.14	10.37	-3.58	19.39
12.19	10.50	-2.74	17.73
12.24	10.60	-2.11	13.30
12.29	10.71	-2.32	-4.43
12.33	10.77	-1.26	22.16

12.38	10.85	-1.68	-8.86
12.43	10.92	-1.47	4.43
12.48	10.97	-1.05	8.86
12.52	11.03	-1.26	-4.43
12.57	11.07	-0.84	8.86
12.62	11.12	-1.05	-4.43
12.67	11.16	-0.84	4.43
12.71	11.20	-0.84	0.00
12.76	11.24	-0.84	0.00
12.81	11.26	-0.42	8.86
12.86	11.29	-0.63	-4.43
12.90	11.31	-0.42	4.43
12.95	11.34	-0.63	-4.43
13.00	11.37	-0.63	0.00
13.05	11.39	-0.42	4.43
13.09	11.42	-0.63	-4.43
13.14	11.44	-0.42	4.43
13.19	11.47	-0.63	-4.43
13.24	11.49	-0.42	4.43
13.28	11.51	-0.42	0.00
13.33	11.52	-0.21	4.43
13.38	11.54	-0.42	-4.43
13.43	11.56	-0.42	0.00
13.47	11.57	-0.21	4.43
13.52	11.59	-0.42	-4.43
13.57	11.60	-0.21	4.43
13.62	11.62	-0.42	-4.43
13.66	11.64	-0.42	0.00
13.71	11.65	-0.21	4.43
13.76	11.66	-0.21	0.00
13.81	11.68	-0.42	-4.43
13.85	11.69	-0.21	4.43
13.90	11.70	-0.21	0.00
13.95	11.71	-0.21	0.00
14.00	11.73	-0.42	-4.43
14.04	11.74	-0.21	4.43
14.09	11.75	-0.21	0.00
14.14	11.76	-0.21	0.00
14.19	11.77	-0.21	0.00
14.23	11.78	-0.21	0.00
14.28	11.79	-0.21	0.00
14.33	11.80	-0.21	0.00

Graf: Titrační křivka HCl 2



Graf: Derivační křivka HCl 2







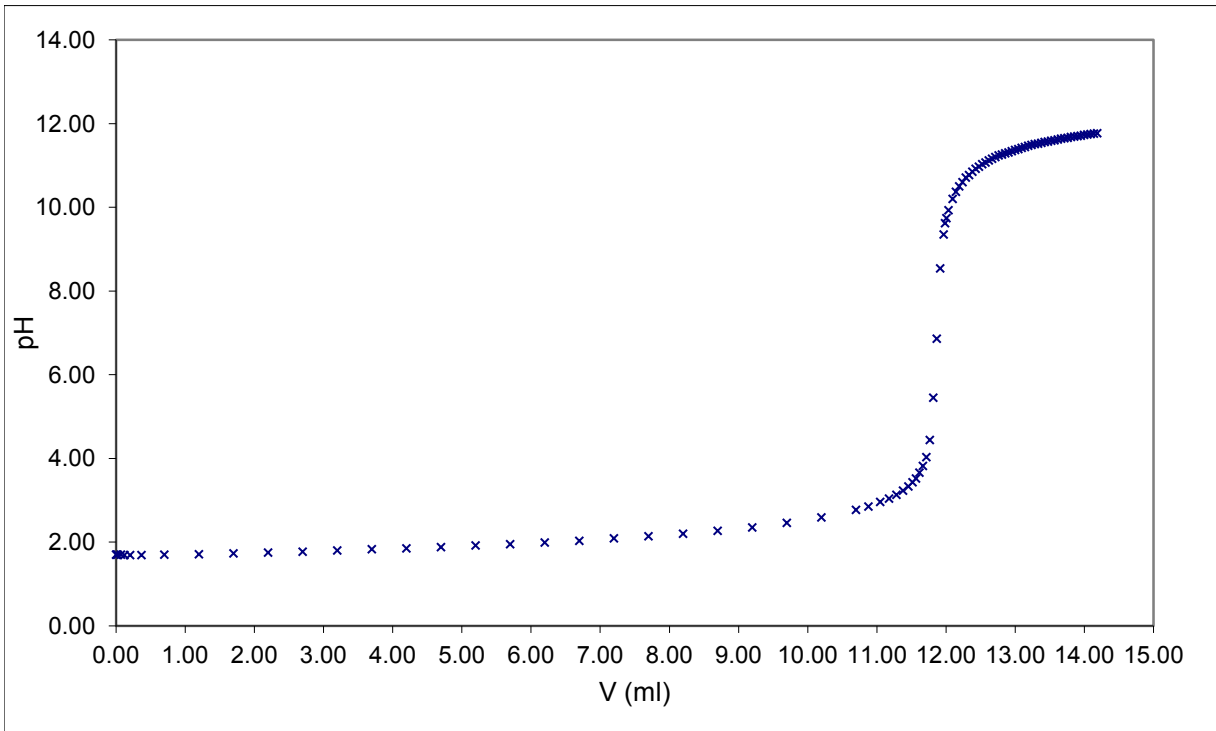


HCl 3

V	pH	dpH	d'pH
0.00	1.70		
0.01	1.70	0.00	
0.02	1.70	0.00	0.00
0.07	1.70	0.00	0.00
0.12	1.69	0.20	4.00
0.20	1.69	0.00	-2.42
0.37	1.69	0.00	0.00
0.70	1.70	-0.03	-0.09
1.20	1.71	-0.02	0.02
1.70	1.73	-0.04	-0.04
2.20	1.75	-0.04	0.00
2.70	1.77	-0.04	0.00
3.20	1.80	-0.06	-0.04
3.70	1.83	-0.06	0.00
4.20	1.85	-0.04	0.04
4.70	1.88	-0.06	-0.04
5.20	1.92	-0.08	-0.04
5.70	1.95	-0.06	0.04
6.20	1.99	-0.08	-0.04
6.70	2.03	-0.08	0.00
7.20	2.09	-0.12	-0.08
7.70	2.14	-0.10	0.04
8.20	2.20	-0.12	-0.04
8.70	2.27	-0.14	-0.04
9.20	2.35	-0.16	-0.04
9.70	2.46	-0.22	-0.12
10.20	2.59	-0.26	-0.08
10.70	2.77	-0.36	-0.20
10.88	2.85	-0.44	-0.47
11.05	2.96	-0.65	-1.19
11.18	3.04	-0.63	0.15
11.28	3.13	-0.84	-1.95
11.38	3.23	-1.05	-2.27
11.46	3.33	-1.29	-3.07
11.52	3.43	-1.67	-6.27
11.57	3.52	-1.80	-2.67
11.62	3.66	-2.80	-20.00
11.67	3.82	-3.20	-8.00
11.72	4.03	-4.20	-20.00
11.77	4.44	-8.20	-80.00
11.82	5.45	-20.20	-240.00
11.87	6.86	-28.20	-160.00
11.92	8.54	-33.60	-108.00
11.97	9.35	-16.20	348.00
11.99	9.62	-13.50	135.00
12.01	9.74	-6.00	375.00
12.04	9.93	-6.33	-11.11
12.10	10.20	-4.50	30.56
12.14	10.37	-3.58	19.39
12.19	10.50	-2.74	17.73
12.24	10.60	-2.11	13.30
12.29	10.71	-2.32	-4.43
12.33	10.77	-1.26	22.16

12.38	10.85	-1.68	-8.86
12.43	10.92	-1.47	4.43
12.48	10.97	-1.05	8.86
12.52	11.03	-1.26	-4.43
12.57	11.07	-0.84	8.86
12.62	11.12	-1.05	-4.43
12.67	11.16	-0.84	4.43
12.71	11.20	-0.84	0.00
12.76	11.24	-0.84	0.00
12.81	11.26	-0.42	8.86
12.86	11.29	-0.63	-4.43
12.90	11.31	-0.42	4.43
12.95	11.34	-0.63	-4.43
13.00	11.37	-0.63	0.00
13.05	11.39	-0.42	4.43
13.09	11.42	-0.63	-4.43
13.14	11.44	-0.42	4.43
13.19	11.47	-0.63	-4.43
13.24	11.49	-0.42	4.43
13.28	11.51	-0.42	0.00
13.33	11.52	-0.21	4.43
13.38	11.54	-0.42	-4.43
13.43	11.56	-0.42	0.00
13.47	11.57	-0.21	4.43
13.52	11.59	-0.42	-4.43
13.57	11.60	-0.21	4.43
13.62	11.62	-0.42	-4.43
13.66	11.64	-0.42	0.00
13.71	11.65	-0.21	4.43
13.76	11.66	-0.21	0.00
13.81	11.68	-0.42	-4.43
13.85	11.69	-0.21	4.43
13.90	11.70	-0.21	0.00
13.95	11.71	-0.21	0.00
14.00	11.73	-0.42	-4.43
14.04	11.74	-0.21	4.43
14.09	11.75	-0.21	0.00
14.14	11.76	-0.21	0.00
14.19	11.77	-0.21	0.00

Graf: Titrační křivka HCl 3



Graf: Derivační křivka HCl 3

