

APPLICATION NOTE: SLUDGE ANALYSIS

prepASH Thermogravimetric Analyser



High Temperature



Heating



Improved Safety

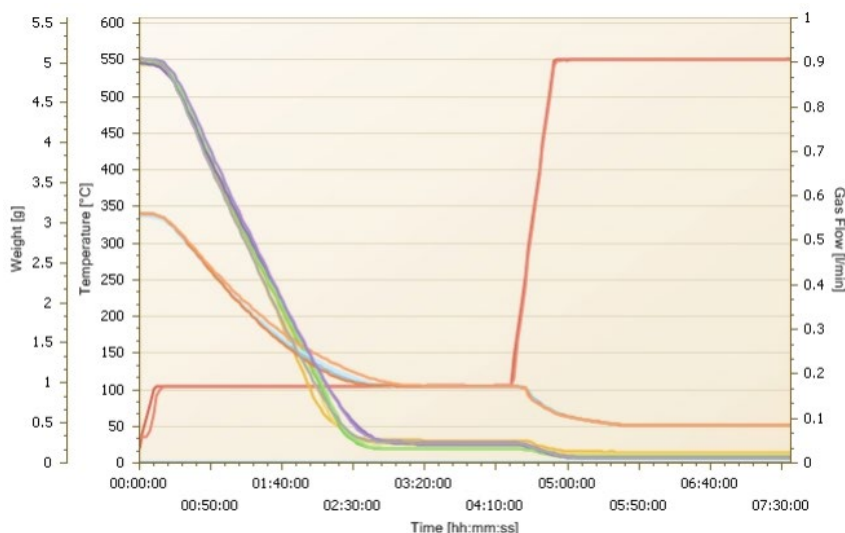


Weighing Samples



Method: ABWASSER_105_550.log

Step	Temp 1 [°C]	Temp 2 [°C]	Gas	Gas Flow [l/min]	Time [min]	Auto Stop [mg/min]	Manual Stop	Results
1	20	105			10			
2	105	105			360	1mg/10		Residue [%]/Start (A)
3	105	550			30			
4	550	550			180	0.5mg/30		Residue [%]/WO (B)



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Results:

A: Res[%]/Start

B: Res[%]/W0

Group	Pos.	Sample	ID	Tare [g]	Weight [g]	Result	Weight [g]	Calc.	Time
	R	Reference	-	28.1532	28.1532	A	28.1539	100.002	00:22
						B	28.1576	100.013	05:22
1	1	12129	-	30.9529	5.0043	A	0.2817	5.629	03:35
						B	0.1374	48.764	05:56
1	2	12129	-	30.5737	5.0135	A	0.2349	4.685	03:08
						B	0.1171	49.859	05:49
1	3	12129	-	26.9335	5.0143	A	0.1740	3.471	03:06
						B	0.0846	48.602	05:49
1	4	12129	-	26.9404	5.0372	A	0.1819	3.612	03:22
						B	0.0802	44.074	05:49
2	5	12131	-	28.0151	3.1216	A	0.9561	30.629	03:50
						B	0.4737	49.547	07:35
2	6	12131	-	29.9249	3.0855	A	0.9470	30.693	03:58
						B	0.4708	49.716	07:11
2	7	12131	-	27.0472	3.1207	A	0.9563	30.645	03:48
						B	0.4735	49.509	07:28
2	8	12131	-	27.2395	3.1226	A	0.9559	30.613	04:10
						B	0.4741	49.600	07:36
3	9	12136	-	27.8015	5.0009	A	0.2222	4.443	04:19
						B	0.0614	27.611	05:41
3	10	12136	-	28.7898	5.0538	A	0.2537	5.019	04:06
						B	0.0715	28.186	05:41
3	11	12136	-	23.3292	5.0445	A	0.2442	4.841	03:59
						B	0.0683	27.951	05:41

Group 1: A-Result A-Calc. B-Result B-Calc.

Mean	0.21813	4.34938	0.10483	47.82468
STD	0.05027	1.01089	0.02725	2.56205
RSTD	23.04829	23.24215	25.99314	5.35717
N	4	4	4	4

Group 2: A-Result A-Calc. B-Result B-Calc.

Mean	0.95383	30.64503	0.47303	49.59288
STD	0.00455	0.03441	0.00150	0.08998
RSTD	0.47733	0.11229	0.31799	0.18145
N	4	4	4	4

Group 3: A-Result A-Calc. B-Result B-Calc.

Mean	0.24003	4.76790	0.06707	27.91603
STD	0.01616	0.29482	0.00516	0.28912
RSTD	6.73160	6.18344	7.69640	1.03567
N	3	3	3	3