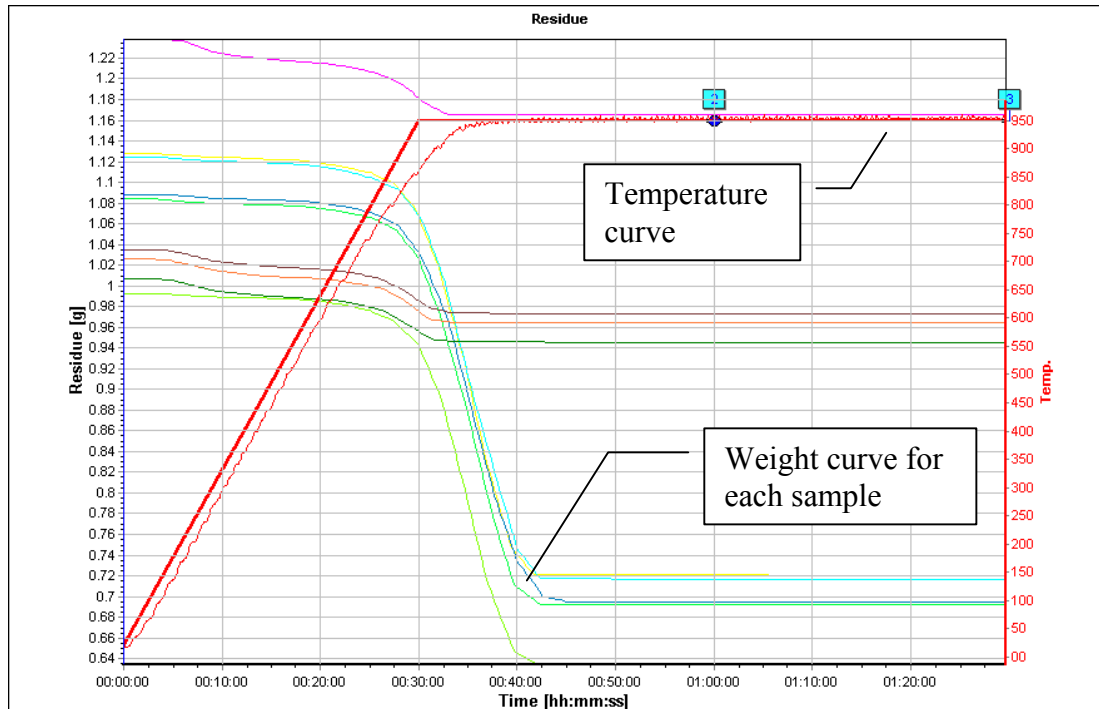




prepASH 129: LOI in cement samples

Fully automatic drying and ashing with multiple samples.

All fundamental data and operating parameters, such as changes in sample weight, temperature, gases, etc. are stored and graphically displayed. Automatic calculation of results.



Method

Step	time	temperature 1	temperature 2	Auto Stop	gas
1	30 min	25 °C	950 °C		
2	30 min	950 °C	950 °C		
3*	30 min	950 °C	950 °C		

* Sample weight is stable after 30 min at 950 °C, step 3 is not needed.

Result

Sample Name	Weight	LOI after 30 min	LOI after 1h
raw mix1	1.1277	36.11	36.12
raw mix2	0.9922	36.12	36.12
raw mix3	1.0830	36.11	36.11
raw mix4	1.1236	36.18	36.19
raw mix5	1.0874	36.14	36.17
mean		36.13	36.14
stdev		0.03	0.03

Sample Name	Weight	LOI after 30 min	LOI after 1h
cement 1	1.2370	5.84	5.84
cement 2	1.0335	5.82	5.82
cement 3	1.0243	5.83	5.83
cement 4	1.0050	5.84	5.85
cement 5	1.1247	5.81	5.81
mean		5.83	5.83
stdev		0.01	0.01