

ARL OPTIM'X Fluorine analysis in slags

Fluorine analysis in slags for determination of CaF₂ content

Limit of detection (LoD) in slags prepared as pressed pellets

Fixed channel:

- 270 ppm in 40s counting time
- 170 ppm in 100s counting time

Analysis strategies:

- In parallel to the SmartGonio analysis using a fixed channel

Typical precision obtained during a repeatability test

- Fixed channel
- 100s counting time
- Same pressed pellet analyzed 10 times in a row

	Slag 1	Slag 2
Run nr.	Fluorine (%)	Fluorine (%)
1	0.206	1.99
2	0.219	1.95
3	0.204	1.98
4	0.206	1.99
5	0.216	1.93
6	0.211	1.96
7	0.203	2.02
8	0.209	2.04
9	0.207	1.99
10	0.208	2.01
Average	0.209	1.98
Std.dev.	0.005	0.033