

## Typical and Guaranteed Precision

### ARL PERFORM'X 2500W

#### Pressed Cement

Elements	%	Typical Std Dev %	Guaranteed Std Dev %	Typical Std Dev %	Guaranteed Std Dev %
		2 seconds per element	2 seconds per element	10 seconds per element	10 seconds per element
CaO	62.5	0.025	0.05	0.02	0.04
SiO <sub>2</sub>	21	0.028	0.056	0.01	0.02
Al <sub>2</sub> O <sub>3</sub>	5.1	0.013	0.026	0.006	0.012
Fe <sub>2</sub> O <sub>3</sub>	2.9	0.01	0.02	0.004	0.008
SO <sub>3</sub>	2.1	0.004	0.008	0.001	0.002
MgO	3.3	0.015	0.03	0.005	0.01
Na <sub>2</sub> O	0.15	0.004	0.008	0.001	0.002
K <sub>2</sub> O	0.4	0.002	0.004	0.001	0.002
P <sub>2</sub> O <sub>5</sub>	0.1	0.002	0.004	0.001	0.002
MnO	0.3	0.003	0.006	0.001	0.002
Cr <sub>2</sub> O <sub>3</sub>	0.1	0.002	0.004	0.001	0.002
TiO <sub>2</sub>	0.3	0.007	0.014	0.003	0.006

Precision is defined as the standard deviation over 10 repeat analyses of a stable sample