

**ARL 9900 Series IntelliPower 3600W
X-Ray spectrometer**

**GUARANTEED PERFORMANCE FOR
SLAGS APPLICATION**

Samples prepared in the form of pressed powders.
Analysis on monochromators.

Analyte	Range (%)	Guaranteed Precision (%) 1 sigma in 40 sec.	Limit of detection in 40 sec.
TotFe	0.2 - 40.0	0.0043 - 0.03	80 ppm
Al₂O₃	0.5 - 25.0	0.003 - 0.02	30 ppm
SiO₂	5.0 - 50.0	0.0064 - 0.017	90 ppm
CaO	15.0 - 66.0	0.012 - 0.023	N.A.
SO₃	0.1 - 1.5	0.0006 - 0.002	8 ppm
MgO	1.0 - 30.0	0.005 - 0.03	50 ppm
P₂O₅	0.05 - 0.5	0.0012 - 0.0017	25 ppm
TiO₂	0.2 - 3.0	0.002 - 0.007	10 ppm
Cr₂O₃	0.015 - 2	0.0004 - 0.003	6 ppm
V₂O₅	0.02 - 1	0.0007 - 0.004	11 ppm
MnO	1 - 4	0.0025 - 0.004	N.A.
Ni	0.02 - 0.3	0.001 - 0.003	15 ppm
Mo	0.002 - 0.05	0.0005 - 0.001	8 ppm
F	0.02 - 3.6	0.02 - 0.05	345 ppm

Note: Precision is repeatability (1 sigma) for 10 consecutive analysis.
Pressed pellets with binder (30:1 dilution)
N.A.= not available due to the high concentration range considered