## **Report on XRF Fluorine Measurements**

The following results were obtained using the Fluorine-PX8 Application on the AXIOS<sup>Max</sup> Panalytical Instrument as described in VSL-1810-10 page 12

Sample name	Meas. date/time	F, %
ANL-LRM	1/19/2016 21:52	0.875
Pb-F CUBE	1/19/2016 22:17	13.09
ANL-LRM	1/19/2016 22:35	0.886

The error can be significant, the concentration is more than an order of magnitude larger than our single glass standard. A sample of pure PbF2 would be helpful.

7 - 13%Pb - 87% (by difference)  $\frac{13}{19} = 0.68$   $\frac{87}{207} = 0.72$ (golden ratio NP6-F1.6

**PANalytical** 

## Quantification of sample PBF CUBE

5.089
105.3 %
100.0 %
Solid
No
No
OxidesVSL
omnian 27mm
c:\panalytical\superq\userdata

	Element	Conc.
		(%)
1	Al	0.009
2	В	0.000
3	Br	0.023
4	Ca	0.000
5	CI	1.270
6	Co	0.083
7	Cr	0.017
8	F	5.643
9	Hg	0.047
10	K	0.033
11	Li	0.000
12	Mg	0.019
13	Na	0.109
14	Ni	0.028
15	0	6.800
16	Р	0.027
17	Pb	85.879
18	S	0.012
19	Si	0.000

Oxigen is calculated bosed on the corresponding oxides.