Allschoolabs Scientific XRS-FP Analysis Report

File: C:\Users\Xenemetrix\3D Objects\New folder (47)\New folder 48\folder 49\FOR TiO2 WASTE.str

3:03:23 AM 08-Nov-23 Comment line

Layer Table ==========

#	Thick	Type	Error	Units	Density	Norm.	Total
1	0.00			Bulk	0.00 mg/cm2	0.00F	On 100.00

Sample Table ==========

Layer	Component	Type	Concn.	Error	Units	Mole%	Error
1	SiO2	Calc	2.323	0.544	wt.%	2.596	0.608
1	V2O5	Calc	0.370	0.124	wt.%	0.137	0.046
1	Cr2O3	Calc	0.000	0.000	wt.%	0.000	0.000
1	MnO	Calc	0.002	0.012	wt.%	0.002	0.011
1	Fe2O3	Calc	1.426	0.054	wt.%	0.600	0.023
1	Co3O4	Calc	0.007	0.018	wt.%	0.002	0.005
1	NiO	Calc	0.004	0.009	wt.%	0.003	0.008
1	CuO	Calc	0.036	0.010	wt.%	0.031	0.008
1	Nb2O3	Calc	0.063	0.010	wt.%	0.018	0.003
1	MoO3	Calc	0.005	0.009	wt.%	0.003	0.004
1	WO3	Calc	0.015	0.038	wt.%	0.004	0.011
1	P2O5	Calc	0.000	0.000	wt.%	0.000	0.000
1	SO3	Calc	0.083	0.078	wt.%	0.069	0.065
1	CaO	Calc	23.350	0.315	wt.%	27.963	0.378
1	MgO	Calc	10.378	12.400	wt.%	17.291	20.661
1	K2O	Calc	0.000	0.000	wt.%	0.000	0.000
1	BaO	Calc	1.250	1.069	wt.%	0.548	0.468
1	Al2O3	Calc	2.807	2.097	wt.%	1.849	1.381
1	Ta2O5	Calc	0.092	0.036	wt.%	0.014	0.005
1	TiO2	Calc	57.399	0.449	wt.%	48.264	0.378
1	ZnO	Calc	0.015	0.008	wt.%	0.012	0.007
1	Ag2O	Calc	0.006	0.030	wt.%	0.002	0.009
1	Cl	Calc	0.294	0.048	wt.%	0.558	0.090
1	ZrO2	Calc	0.028	0.008	wt.%	0.015	0.005
1	SnO2	Calc	0.045	0.821	wt.%	0.020	0.366

Element Table ==========

Elmt	Line Code	Cond Code	Ratio Method	Intensity (c/s)	Error (c/s)	Intensity Method	Conc.	Conc Method	Calibration Coefficient
O	Ka	0	None	0.000		0.0000	Gaussian	37.163	None 0.000
Mg	Ka	1	None	2.083		2.4886	Gaussian	6.259	FP 0.000
Al	Ka	1	None	5.351		3.9976	Gaussian	1.486	FP 0.000
Si	Ka	1	None	23.250		5.4498	Gaussian	1.086	FP 0.000
P	Ka	1	None	0.000		3.6551	Gaussian	0.000	FP 0.000
S	Ka	1	None	5.012		4.7249	Gaussian	0.033	FP 0.000
Cl	Ka	1	None	58.977		9.5158	Gaussian	0.294	FP 0.000
K	Ka	1	None	0.000		11.1104	Gaussian	0.000	FP 0.000
Ca	Ka	1	None	6609.079	89.2688	Gaussian	16.689	FP	0.000
Ti	Ka	1	None	15151.960	118.5428	Gaussian	34.412	FP	0.000
V	Ka	1	None	127.719	42.9228	Gaussian	0.207	FP	0.000
Cr	Ka	1	None	0.000		7.6158	Gaussian	0.000	FP 0.000
Mn	Ka	1	None	0.852		4.9255	Gaussian	0.002	FP 0.000
Fe	Ka	1	None	673.805	25.5453	Gaussian	0.998	FP	0.000
Co	Ka	1	None	4.316		10.4827	Gaussian	0.005	FP 0.000
Ni	Ka	1	None	2.728		6.8856	Gaussian	0.003	FP 0.000
Cu	Ka	1	None	32.357		8.6800	Gaussian	0.029	FP 0.000
Zn	Ka	1	None	15.044		8.1153	Gaussian	0.012	FP 0.000
Zr	Ka	1	None	31.929		9.4431	Gaussian	0.021	FP 0.000
Nb	Ka	1	None	73.008		11.3703	Gaussian	0.050	FP 0.000
Mo	Ka	1	None	5.214		8.5373	Gaussian	0.004	FP 0.000
Ag	Ka	1	None	1.439		7.2839	Gaussian	0.006	FP 0.000
Sn	La	1	None	3.021		55.1508	Gaussian	0.035	FP 0.000
Ba	La	1	None	128.765	110.1195	Gaussian	1.120	FP	0.000
Ta	La	1	None	23.927		9.3537	Gaussian	0.075	FP 0.000
W	La	1	None	3.938		10.1850	Gaussian	0.012	FP 0.000

Analysis Conditions ========== # Tar Filter

Thick.	kV	uA	---Detector---	Thick.	Atm	Preset	Actual	get	mg/cm2	Type	Filter	mg/cm2	Time(s)	Time(s)
1	Rh	None		0.00	35.0	40.0	SDD	None		0.00	Air	60.0		10.0

Processing Conditions ==========

#	No. Smths	Escape Peaks	Sum Peaks	Back Type	C/R Ratio	Blank Rem.	----Blank---- ----File-----
1	1	Yes			Yes	Auto	No No