

LAMPIRAN-LAMPIRAN



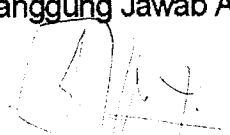
**Laboratorium
Puslitbang Teknologi Isotop dan Radiasi
Bidang SDAL - BATAN**

HASIL ANALISIS

No. Kode : -
Tanggal terima contoh : 8 Agustus 2003
Pengguna jasa : BPPT
Bahan yang di analisis : Dolomite
Tanggal selesai analisis : 15 Agustus 2003
Metode/Alat : XRF

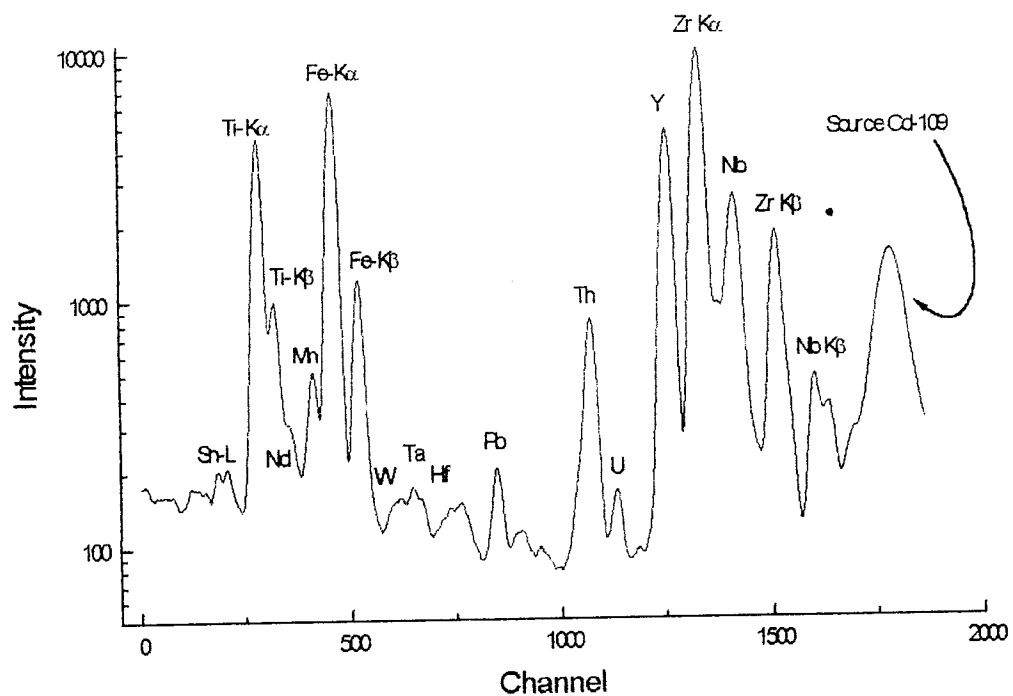
Unsur	Unit	Konsentrasi	
Ti	%	27.89 ±	0.093
TiO ₂	%	46.52 ±	0.155

Jakarta, 15 Agustus 2003
Penanggung Jawab Analisis


(Dra. June Mellawati M.Si.)

LAMPIRAN 1

Spektrum XRF contoh Dolomite dari BPPT :



Catatan:

Unsur-unsur lain yang terdeteksi dalam sampel dengan spektrometri XRF:

Mn	Nd
Fe	Hf
Y	Ta
Zr	W
Nb	Pb
Sn	Th
	U

PC-APD, Diffraction software

Sample identification: ELMENIT

Data measured at: 1-Jul-1999 14:00:00

Diffractometer type: PW3710 BASED

Tube anode: Cu

Generator tension [kV]: 40

Generator current [mA]: 30

Wavelength Alpha1 [Å]: 1.54056

Wavelength Alpha2 [Å]: 1.54439

Intensity ratio (alpha2/alpha1): 0.500

Divergence slit: 1°

Receiving slit: 0.2

Monochromator used: NO

Start angle [°2θ]: 4.010

End angle [°2θ]: 59.950

Step size [°2θ]: 0.020

Maximum intensity: 67.2400

Time per step [s]: 0.100

Type of scan: CONTINUOUS

Minimum peak tip width: 0.00

Maximum peak tip width: 1.00

Peak base width: 2.00

Minimum significance: 0.75

Number of peaks: 11

Angle [°2θ]	d-value α1 [Å]	d-value α2 [Å]	Peak width [°2θ]	Peak int [counts]	Back. int [counts]	Rel. int [%]	Signif.
4.150	21.2740	21.3268	0.400	1	50	1.5	0.99
6.605	13.3712	13.4044	0.120	16	55	23.8	0.85
5.585	3.4788	3.4875	0.240	32 ✓	94	48.3	1.76
6.350	3.3795	3.3879	0.120	30	94	45.0	0.79
6.745	3.3305	3.3388	0.060	67	94	100.0	1.41
8.570	3.1218	3.1295	0.100	55	96	81.4	0.96
2.330	2.7668	2.7736	0.200	44	98	64.8	1.51
5.665	2.5153	2.5216	0.480	17 ✓	98	25.0	1.41
8.815	2.3181	2.3239	0.320	41	96	60.9	1.14
1.020	2.1985	2.2039	0.640	15	98	22.6	0.87
4.080	1.6944	1.6986	0.640	19	104	28.8	0.83

mend

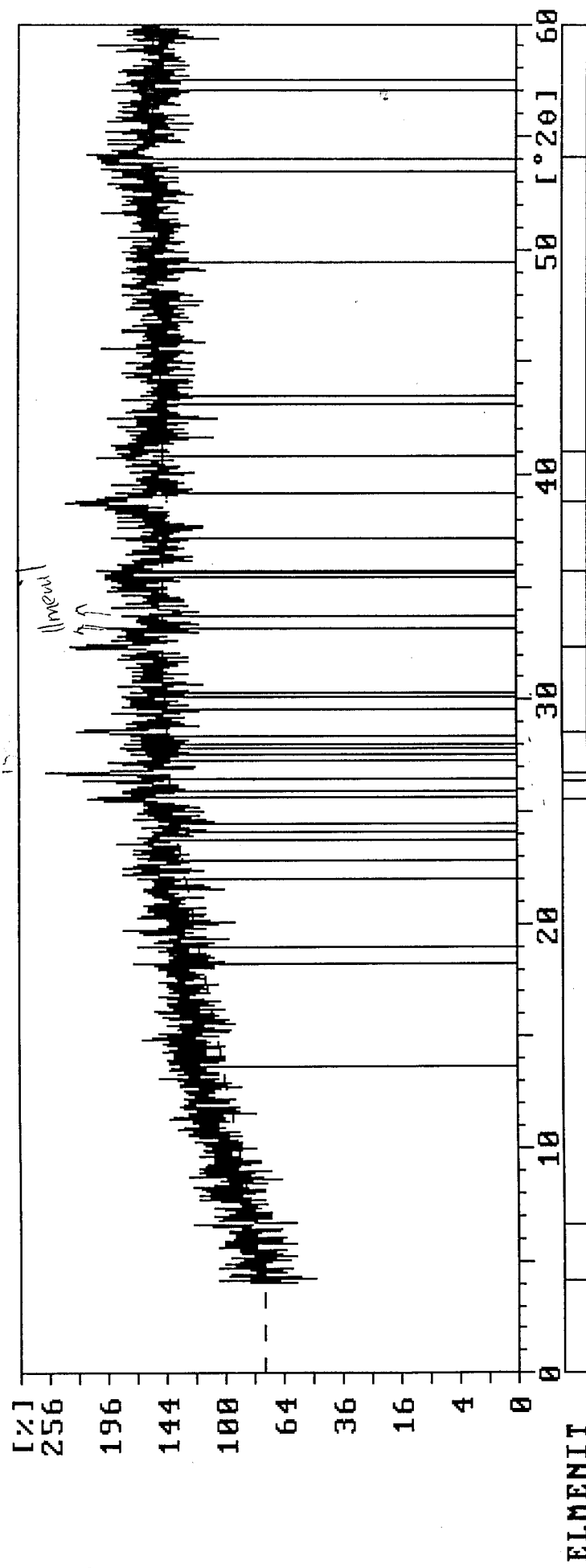
mend

$$\frac{17}{41} \times 100 = 41.5\%$$

Kasper favorite

Sample ident.: ELMENIT

2-Jul-1999 14:37



24-0872
11-0614
09-0465