

Name	Zinnwaldite			
Reference	ZW-C			
Working group	International Working Group - Groupe International de Travail (IWG-GIT)			
Weight	Sachet of 30g			
Availability	Available			
Source	The Zinnwaldite has been prepared by the Czech Geological Survey from the classical tin-tungsten deposit of Cinovec (Zinnwald) in the Czech Republic. The ore deposit is situated in northern Bohemia about 11 km NNE of the Town Teplice. It is divided by the state frontier into a larger southern part in Czech Republic and a northern part located in Germany. The locality is known in the literature under its german name Zinnwald.			
Major elements				
Element	Number of results	Standard deviation	Working value (%)	95% confidence limits
SiO ₂	81	0.98	54	0.22
Al ₂ O ₃	88	0.66	18.45	0.14
Fe ₂ O ₃	86	1.66	1.3	0.36
FeO	33	0.35	7.34	0.12
MnO	100	0.1	0.97	0.02
MgO	88	0.05	0.16	0.01
CaO	92	0.07	0.37	0.01
Na ₂ O	87	0.1	0.33	0.02
K ₂ O	95	0.41	7.72	0.08
TiO ₂	85	0.02	0.05	0.004
P ₂ O ₅	57	0.04	0.025	0.01
H ₂ O ⁺	24		1.46	proposed value
H ₂ O ⁻	23		0.42	proposed value
CO ₂	8		0.24	proposed value
Fe ₂ O ₃ T	86	0.47	9.46	0.1
Loss on ignition	36		2.3	proposed value
Trace elements				
Element	Number of results	Standard deviation	Working value (µg/g)	95% confidence limits
As	28	10.45	31	4
Ba	28	17.4	52	7
Be	30	4.33	35	1.6
Bi	13	4.68	15	2.8
Cd	10	1.57	1.5	1
Ce	50	11.15	97	3
Cl	7		30	proposed value
Co	34	1.3	2	0.5
Cr	84	15.26	56	3.4
Cs	51	49	260	14
Cu	60	10.75	39	2.8
Dy	23	1.95	9.2	0.8
Er	19	1.64	6.7	0.8
Eu	19	0.04	0.04	0.02
F	35	6600	54500	2200
Ga	37	12.72	99	4
Gd	23	1.1	4.7	0.47
Hf	25	2.23	9.7	0.9
Ho	22	0.63	2	0.3
La	52	6.62	30	1.9

Li	44	1585	11288	560
Lu	30	0.39	2.2	0.15
Mo	28	1.41	4.3	0.55
Nb	53	46	198	13
Nd	37	4.61	25	1.6
Ni	54	16.87	11	4
Pb	53	18.26	80	5
Pr	24	1.69	9.5	0.7
Rb	75	789	8500	180
S	11		300	proposed value
Sb	19	1.88	4.2	0.9
Sc	46	7.93	42	2.4
Sm	33	0.55	6.6	0.2
Sn	28	309	1300	120
Sr	64	7.22	17	1.8
Ta	23	8	82	3
Tb	27	0.3	1.2	0.12
Th	46	13.31	43	4
Tl	13		34	proposed value
Tm	19	0.29	1.6	0.14
U	37	8.33	20	2.8
V	38	4.37	6	1.5
W	28	54.64	320	21
Y	36	7	33	2.4
Yb	36	3.08	14	1
Zn	82	167	1050	40
Zr	55	23.75	82	7

References

Date	Title	Reference	Authors
1980	Geostandards Newsletter	4:49-138	K. Govindaraju
1993	Geostandards Newsletter	17:227-294	K. Govindaraju and I. Roelandts