

Natural anhydrite - Major oxides and trace elements

LGC2701(75g)

* Certified values

ppb(µg/kg)

	Hg							
Value	2.33							
Uncert	0.18							

* Assessed values

g/100g

	Al ₂ O ₃	P ₂ O ₅	SO ₃	CaO	K ₂ O	Loss on ignition		
Value	0.045	0.0069	57.3	40.82	0.0105	0.452		
Uncert	0.029	0.0040	1.2	0.67	0.0050	0.093		
	Fe ₂ O ₃	SiO ₂						
Value	0.0280	0.112						
허용오차	0.0096	0.044						

Blended gypsum - Major oxides and trace elements

LGC2702(75g)

* Certified values

ppb(µg/kg)

	Hg							
Value	420							
Uncert	35							

* Assessed values

g/100g

	Al ₂ O ₃	P ₂ O ₅	SO ₃	CaO	K ₂ O	Loss on ignition		
Value	1.121	0.0177	41.26	31.47	0.196	0.452		
Uncert	0.038	0.0079	0.69	0.65	0.013	0.093		
	Fe ₂ O ₃	SiO ₂	TiO ₂	Pb(mg/kg)	Ni(mg/kg)	V(mg/kg)	Zn(mg/kg)	
Value	0.392	3.01	0.0550	8.4	4.8	10.5	11.7	
허용오차	0.036	0.12	0.0049	2.1	1.4	1.5	3.1	

Western Phosphate Rock

SRM 694(90g)

%

	Al ₂ O ₃	CaO	CdO	F	Fe ₂ O ₃	K ₂ O	MgO	MnO
Value	1.8	43.6	0.015	3.2	0.79	0.51	0.33	0.0116
Uncert	0.1	0.4	0.003	0.1	0.06	0.02	0.02	0.0012
	Na ₂ O	P ₂ O ₅	SiO ₂	U	V ₂ O ₅			
Value	0.86	30.2	11.2	0.01414	0.31			
허용오차	0.04	0.1	0.4	0.00006	0.07			

Dolomite, Limestone

SRM 88b(75g)

%

	Al ₂ O ₃	CaO	CdO	Fe ₂ O ₃	K ₂ O	MgO	Na ₂ O	P ₂ O ₅
Value	0.336	29.95	46.37	0.277	0.1030	21.03	0.0290	0.0044
Uncert	0.013	0.05	0.12	0.002	0.0024	0.07	0.0007	0.0003
	SiO₂	SrO						
Value	1.13	0.0076						
허용오차	0.02	0.0003						

Dolomite

ECRM 782-1(100g)

%

	S	Ni	SiO ₂	Al ₂ O ₃	TiO ₂	Fe ₂ O ₃	MnO	CaO
Value	0.016	0.0004	0.266	0.104	0.0042	0.450	0.081	30.34
	MgO	K₂O	BaO	Cr₂O₃	PbO	ZnO	P₂O₅	L.O.I
Value	21.29	0.0260	0.008	0.0009	0.0029	0.0082	0.0128	47.25
	B₂O₃							
Value	0.0039							

Limestone (SGT Limestone 1)

BCS-CRM 513(100g)

%

	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	Cr ₂ O ₃	MnO	CaO	MgO	Pb
Value	0.228	0.108	0.0275	0.0012	0.0095	55.59	0.182	0.0009
Uncert	0.019	0.007	0.0025	0.0003	0.0008	0.16	0.0001	0.0001
	S	K₂O	SrO	Zn	L.O.I			
Value	0.0097	0.015	0.0176	0.0014	43.61			
허용오차	0.0015	0.0019	0.0024	0.0004	0.13			

Gold Ore

MA-2c

μg/g

	Mean	Within-laboratory standard deviation	Status
Ag	0.51	0.07	provisional
Au	3.02	0.14	certified
	Between-laboratories standard deviation		95% confidence interval
Ag	0.13		± 0.10
Au	0.13		± 0.06

Limestone

NCS DC 60108a(50g)

%

	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	Na ₂ O	MnO	CaO	MgO	Cl
Value	2.09	0.33	0.17	0.070	0.0089	51.61	2.25	0.0066
	SO ₃	TiO ₂	K ₂ O	P ₂ O ₅	L.O.I			
Value	0.016	0.015	0.17	0.017	42.84			

Carbonate rock

NCS DC 70302(50g)

µg/g

	Ag	As	Ba	Be	Bi	Cd	Cl	Co
Value	0.021	0.29	11.6	0.120	0.020	0.09	34	0.5
Uncert	0.016	0.05	0.9	0.020	0.002	0.02	17	0.1
	Cr	Cs	Cu	F	Ga	Hf	Hg	Li
Value	5.6	0.09	2.2	91	0.33	2.1	0.015	3.1
Uncert	1.9	0.02	0.6	19	0.05	0.4	0.001	0.9
	Mn	Mo	Nb	Ni	P	Pb	Rb	Sc
Value	70	0.26	0.46	4.3	62	3.9	1.6	0.5
Uncert	5	0.08	0.04	1.1	10	1.0	0.1	0.2
	Sb	Se	Sr	Ta	Te	Th	Ti	Tl
Value	0.09	0.015	191	0.05	0.008	0.25	132	0.023
Uncert	0.02	0.004	10	0.03	0.004	0.05	24	0.009
	U	V	W	Zn	Zr	La	Ce	Pr
Value	0.39	5.0	0.18	9.5	76.8	1.2	1.9	0.24
Uncert	0.05	0.8	0.04	2.3	2.5	0.1	0.4	0.03
	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Value	0.86	0.2	0.052	0.16	0.031	0.15	0.034	0.12
Uncert	0.08	0.03	0.007	0.03	0.007	0.02	0.006	0.04
	Tm	Yb	Lu	Y				
Value	0.020	0.1	0.022	1.4				
Uncert	0.007	0.03	0.004	0.2				

%

	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃ (T)	MgO	CaO	Na ₂ O	K ₂ O	TiO ₂
Value	0.72	0.22	0.205	11.62	41.95	0.029	0.052	0.022
Uncert	0.04	0.01	0.004	0.10	0.14	0.005	0.004	0.004
	MnO	P ₂ O ₅	SO ₃	H ₂ O	CO ₂	L.O.I		
Value	0.009	0.014	0.31	0.31	44.89	44.75		
Uncert	0.001	0.003	0.10	0.10	0.08	0.18		

* I wish a contact in the different CRM inquiry. (sales@odlab.co.kr)