

kalcit CaCO_3
 dolomit $\text{CaMg}(\text{CO}_3)_2$

	hm. %	mol.hm	počet molů	počet molů O	počet molů M	koeficient	vzorec
MgO	21.86	40.3044	0.542373	0.542373	0.542373	na 2 O	1.00008
CaO	30.41	56.0774	0.542286	0.542286	0.542286		0.99992
suma	52.27			1.084659	0	1.84389792	
CO ₂	47.73561	44.0098	1.084659		1.084659		2

40.08 55.84 24.31 54.94 87.62 28.085

56.0774 71.8444 40.3044 70.9303 103.619 60.0843

DataSet/Pc	CaO	FeO	MgO	MnO	SrO	SiO ₂	Total	Comment
4 / 1 .	0.670	8.889	40.385	0.003	0.042	0.031	51.703	7.000
5 / 1 .	0.812	8.486	40.527	0.050	0.000	0.000	51.290	7.000
23 / 1 .	54.349	1.439	0.446	0.143	0.068	0.044	56.962	vybrus 9
25 / 1 .	54.235	1.556	0.310	0.074	0.093	0.000	56.315	vybrus 9
26 / 1 .	54.287	1.232	0.357	0.143	0.033	0.011	56.132	vybrus 9
27 / 1 .	56.006	0.201	0.145	0.052	0.129	0.027	54.975	vybrus 12
40 / 1 .	30.255	0.240	21.723	0.006	0.078	0.020	52.322	vybrus 14
54 / 1 .	9.088	16.958	2.159	32.290	0.018	0.020	58.596	vybrus 15

Det.Lim ppm

DataSet/Pc	Ca	Fe	Mg	Mn	Sr	Si	O	Comment
4 / 1 .	701	1005	950	568	874	362		7
5 / 1 .	747	1109	891	488	982	385		7
23 / 1 .	642	746	353	369	486	212		vybrus 9
25 / 1 .	545	697	317	353	500	209		vybrus 9
26 / 1 .	656	788	382	364	530	216		vybrus 9
27 / 1 .	1073	1044	546	526	814	335		vybrus 12
40 / 1 .	861	1047	743	593	809	352		vybrus 14
54 / 1 .	506	937	453	410	544	242		vybrus 15

analýzy po odstanění hodnot pod mezí detekce

CaO	FeO	MgO	MnO	SrO	SiO ₂	Total
0.670	8.889	40.385	0.000	0.000	0.000	49.944
0.812	8.486	40.527	0.000	0.000	0.000	49.825
54.349	1.439	0.446	0.143	0.068	0.000	56.445
54.235	1.556	0.310	0.074	0.093	0.000	56.268
54.287	1.232	0.357	0.143	0.000	0.000	56.019
56.006	0.201	0.145	0.000	0.129	0.000	56.481
30.255	0.240	21.723	0.000	0.000	0.000	52.218
9.088	16.958	2.159	32.290	0.000	0.000	60.495

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 dolomit $\text{CaMg}(\text{CO}_3)_2$

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suma	52.27			1.084659	0	1.84389792	
CO ₂	47.73561	44.0098	1.084659		1.084659		2

40.08 55.84 24.31 54.94 87.62 28.085
 56.0774 71.8444 40.3044 70.9303 103.619 60.0843

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23 / 1 .	54.349	1.439	0.446	0.143	0.068	0.044	56.962	vybrus 9
25 / 1 .	54.235	1.556	0.310	0.074	0.093	0.000	56.315	vybrus 9
26 / 1 .	54.287	1.232	0.357	0.143	0.033	0.011	56.132	vybrus 9
27 / 1 .	56.006	0.201	0.145	0.052	0.129	0.027	54.975	vybrus 12
40 / 1 .	30.255	0.240	21.723	0.006	0.078	0.020	52.322	vybrus 14
54 / 1 .	9.088	16.958	2.159	32.290	0.018	0.020	58.596	vybrus 15

Det.Lim ppm

DataSet/Pc	Ca	Fe	Mg	Mn	Sr	Si	O	Comment
4 / 1 .	701	1005	950	568	874	362		7
5 / 1 .	747	1109	891	488	982	385		7
23 / 1 .	642	746	353	369	486	212		vybrus 9
25 / 1 .	545	697	317	353	500	209		vybrus 9
26 / 1 .	656	788	382	364	530	216		vybrus 9
27 / 1 .	1073	1044	546	526	814	335		vybrus 12
40 / 1 .	861	1047	743	593	809	352		vybrus 14
54 / 1 .	506	937	453	410	544	242		vybrus 15

dopočet konkrétního množství C (1,2,3....) ve vzorci

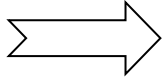
analýzy po odstanění hodnot pod mezí detekce

CaO	FeO	MgO	MnO	SrO	SiO2	Total
0.670	8.889	40.385	0.000	0.000	0.000	49.944
0.812	8.486	40.527	0.000	0.000	0.000	49.825
54.349	1.439	0.446	0.143	0.068	0.000	56.445
54.235	1.556	0.310	0.074	0.093	0.000	56.268
54.287	1.232	0.357	0.143	0.000	0.000	56.019
56.006	0.201	0.145	0.000	0.129	0.000	56.481
30.255	0.240	21.723	0.000	0.000	0.000	52.218
9.088	16.958	2.159	32.290	0.000	0.000	60.495

dopočtený obsah
CO2

*CO2

50.06
50.08
44.13
43.93
43.83
44.28
47.60
39.90



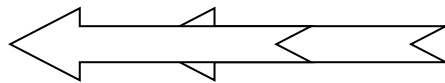
	1	1	1	1	1	44
	1	1	1	1	1	2
	počet molů oxidů					
	1	1	1	1	1	1
CaO	FeO	MgO	MnO	SrO		
0.012	0.124	1.002	0.000	0.000		
0.014	0.118	1.006	0.000	0.000		
0.969	0.020	0.011	0.002	0.001		
0.967	0.022	0.008	0.001	0.001		
0.968	0.017	0.009	0.002	0.000		
0.999	0.003	0.004	0.000	0.001		
0.540	0.003	0.539	0.000	0.000		
0.162	0.236	0.054	0.455	0.000		



dopočet poč.
molu CO2

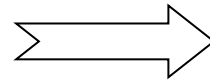
*CO2

1.138
1.138
1.003
0.998
0.996
1.006
1.082
0.907





počet molů kationu



Ca	Fe	Mg	Mn	Sr
0.012	0.124	1.002	0.000	0.000
0.014	0.118	1.006	0.000	0.000
0.969	0.020	0.011	0.002	0.001
0.967	0.022	0.008	0.001	0.001
0.968	0.017	0.009	0.002	0.000
0.999	0.003	0.004	0.000	0.001
0.540	0.003	0.539	0.000	0.000
0.162	0.236	0.054	0.455	0.000

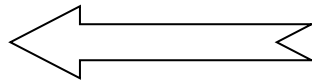
O (Ca)

0.012
0.014
0.969
0.967
0.968
0.999
0.540
0.162

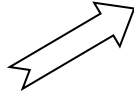
dopočet poč.
molu C

*C

- 1.138
- 1.138
- 1.003
- 0.998
- 0.996
- 1.006
- 1.082
- 0.907



normalizace na
pocet CO2



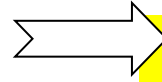
počet molů kyslíků

O (Fe)	O (Mg)	O (Mn)	O (Sr)
0.124	1.002	0.000	0.000
0.118	1.006	0.000	0.000
0.020	0.011	0.002	0.001
0.022	0.008	0.001	0.001
0.017	0.009	0.002	0.000
0.003	0.004	0.000	0.001
0.003	0.539	0.000	0.000
0.236	0.054	0.455	0.000

3 kyslíky
1

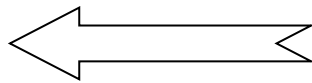


koeficient
1



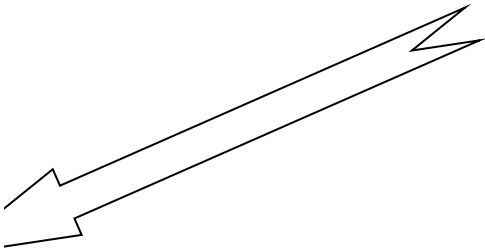
počet

Ca	Fe	
0.879	0.011	0.109
0.879	0.013	0.104
0.997	0.966	0.020
1.002	0.969	0.022
1.004	0.972	0.017
0.994	0.992	0.003
0.924	0.499	0.003
1.103	0.179	0.260



atomů ve vzorci

Mg	Mn	Sr	C	O
0.881	0.000	0.000	1.000	3.000
0.883	0.000	0.000	1.000	3.000
0.011	0.002	0.001	1.000	3.000
0.008	0.001	0.001	1.000	3.000
0.009	0.002	0.000	1.000	3.000
0.004	0.000	0.001	1.000	3.000
0.498	0.000	0.000	1.000	3.000
0.059	0.502	0.000	1.000	3.000



kalcit CaCO_3
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Det.Lim ppm

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25 / 1 .	545	697	317	353	500	209	vybrus 9
26 / 1 .	656	788	382	364	530	216	vybrus 9
27 / 1 .	1073	1044	546	526	814	335	vybrus 12
40 / 1 .	861	1047	743	593	809	352	vybrus 14
54 / 1 .	506	937	453	410	544	242	vybrus 15

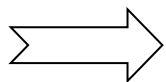
dopočet C podle stechiometrie

analýzy po odstanění hodnot pod mezí detekce

CaO	FeO	MgO	MnO	SrO	SiO2	Total
0.670	8.889	40.385	0.000	0.000	0.000	49.944
0.812	8.486	40.527	0.000	0.000	0.000	49.825
54.349	1.439	0.446	0.143	0.068	0.000	56.445
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54.287	1.232	0.357	0.143	0.000	0.000	56.019
56.006	0.201	0.145	0.000	0.129	0.000	56.481
30.255	0.240	21.723	0.000	0.000	0.000	52.218
9.088	16.958	2.159	32.290	0.000	0.000	60.495

dopočtený obsah
CO2

*CO2	50.06
	50.08
	44.13
	43.93
	43.83
	44.28
	47.60
	39.90



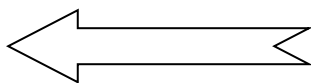
	1	1	1	1	1	44
	1	1	1	1	1	2
	počet molů oxidů					
	1	1	1	1	1	1
CaO	FeO	MgO	MnO	SrO		
0.012	0.124	1.002	0.000	0.000		
0.014	0.118	1.006	0.000	0.000		
0.969	0.020	0.011	0.002	0.001		
0.967	0.022	0.008	0.001	0.001		
0.968	0.017	0.009	0.002	0.000		
0.999	0.003	0.004	0.000	0.001		
0.540	0.003	0.539	0.000	0.000		
0.162	0.236	0.054	0.455	0.000		



dopočet poč.
molu CO2

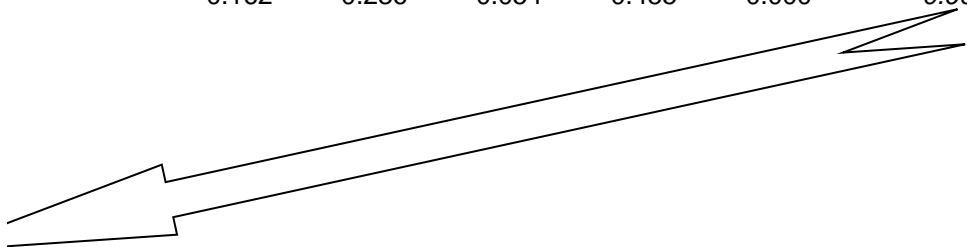
*CO2

1.138
1.138
1.003
0.998
0.996
1.006
1.082
0.907





počet molů kationu						dopočet poč. molu C	
Ca	Fe	Mg	Mn	Sr	*C	O (Ca)	
0.012	0.124	1.002	0.000	0.000	1.138	0.012	
0.014	0.118	1.006	0.000	0.000	1.138	0.014	
0.969	0.020	0.011	0.002	0.001	1.003	0.969	
0.967	0.022	0.008	0.001	0.001	0.998	0.967	
0.968	0.017	0.009	0.002	0.000	0.996	0.968	
0.999	0.003	0.004	0.000	0.001	1.006	0.999	
0.540	0.003	0.539	0.000	0.000	1.082	0.540	
0.162	0.236	0.054	0.455	0.000	0.907	0.162	



normalizace na

3 kyslíky

počet molů kyslíků

koeficient
3

počet

O (Fe)	O (Mg)	O (Mn)	O (Sr)	O (*C)		Ca	Fe
0.124	1.002	0.000	0.000	2.275	0.879	0.011	0.109
0.118	1.006	0.000	0.000	2.276	0.879	0.013	0.104
0.020	0.011	0.002	0.001	2.006	0.997	0.966	0.020
0.022	0.008	0.001	0.001	1.997	1.002	0.969	0.022
0.017	0.009	0.002	0.000	1.992	1.004	0.972	0.017
0.003	0.004	0.000	0.001	2.013	0.994	0.992	0.003
0.003	0.539	0.000	0.000	2.164	0.924	0.499	0.003
0.236	0.054	0.455	0.000	1.814	1.103	0.179	0.260

atomů ve vzorci

Mg	Mn	Sr	C	O
0.881	0.000	0.000	1.000	3.000
0.883	0.000	0.000	1.000	3.000
0.011	0.002	0.001	1.000	3.000
0.008	0.001	0.001	1.000	3.000
0.009	0.002	0.000	1.000	3.000
0.004	0.000	0.001	1.000	3.000
0.498	0.000	0.000	1.000	3.000
0.059	0.502	0.000	1.000	3.000