	A	B	C	D	E	F	G	H	I
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	MKS9_1_light	MKS9_3_brigh	MKS9_3_brigh	MKS9_9_light1	MKS9_9_light2	MKS9_6_brigh	MKS9_4_brigh	MKS9_6_brigh
4									
5	SiO_2	48.792	48.737	48.764	48.796	49.069	48.805	47.939	49.195
6	$Al2O_3$	25.979	26.085	25.953	25.868	26.017	25.553	26.108	26.106
7	FeO	0.03	0.125	0.079	0.076	0.089	0.111	0.047	0.055
8	CaO	14.47	14.96	14.873	14.691	15.015	14.691	15.484	14.639
9	MnO	0.02	0.04	0	0.019	0.018	0.023	0	0.014
10	MgO	0	0.003	0.009	0	0	0.005	0	0.016
11	Na_2O	5.224	4.966	5.102	5.156	4.954	5.005	4.684	5.432
12	K_2O	0.622	0.629	0.655	0.622	0.623	0.607	0.624	0.69
13	Cl	1.123	1.031	1.027	1.027	0.944	0.933	0.874	1.116
14	SO_3	1.242	1.118	1.176	1.291	1.384	1.535	1.505	0.847
15	Total	97.502	97.694	97.638	97.546	98.113	97.268	97.265	98.11

	A	J	K	L	M	N	O	P	Q
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	MKS9_11	MKS9_4_norm	MKS9_3_norm	MKS9_1_dark	MKS9_3_dark1	MKS9_3_dark2	MKS9_6_dark1	MKS9_6_dark2
4									
5	SiO_2	48.396	48.565	48.19	48.275	50.774	48.62	48.513	48.449
6	$Al2O_3$	25.835	25.666	25.491	25.717	25.29	25.866	25.861	25.949
7	FeO	0.098	0.16	0.138	0.256	0.18	0.166	0.119	0.147
8	CaO	15.197	15.301	15.065	15.237	13.241	15.012	15.089	15.132
9	MnO	0.018	0.012	0.008	0	0.022	0.013	0.005	0.036
10	MgO	0.003	0	0	0.023	0.062	0.121	0.019	0.016
11	Na_2O	4.833	4.916	4.731	4.699	4.046	4.552	4.842	4.757
12	K_2O	0.555	0.579	0.66	0.619	0.551	0.67	0.679	0.667
13	Cl	0.853	0.846	0.856	0.833	0.695	0.835	0.929	0.846
14	SO_3	1.932	1.887	1.911	1.984	1.521	1.645	1.708	2.049
15	Total	97.72	97.932	97.05	97.643	96.382	97.5	97.764	98.048

	A	R	S	T	U	V	W	X	Y
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	MKS9_9_dark1	MKS9_9_dark2	MKS9_4_dark	CFM8_Sca1	CFM8_Sca2	CFM8_Sca4	CFM8_Sca5	CFM8_Sca6
4									
5	SiO_2	48.729	48.595	48.657	49.45	48.381	49.188	48.865	48.988
6	$Al2O_3$	25.736	25.627	25.9	25.428	25.32	25.547	25.619	25.31
7	FeO	0.125	0.087	0.168	0.008	0.044	0.089	0.086	0.09
8	CaO	15.373	15.115	15.301	14.116	14.633	14.315	14.868	14.495
9	MnO	0.032	0.015	0.025	0.046	0.011	0.065	0.03	0.008
10	MgO	0.017	0.006	0.013	0	0	0	0	0
11	Na_2O	4.854	4.675	4.837	5.56	5.374	5.426	5.245	5.473
12	K_2O	0.601	0.656	0.56	0.461	0.367	0.394	0.351	0.46
13	Cl	0.849	0.846	0.821	1.111	0.825	0.942	0.829	1.078
14	SO_3	2.103	1.905	2.004	0.414	1.362	0.969	1.072	0.423
15	Total	98.419	97.527	98.286	96.594	96.317	96.935	96.965	96.325

	A	Z	AA	AB	AC	AD	AE	AF	AG
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	CFM8_Sca7	CFM8_Sca8	CFM8_Sca9	CFM8_Sca10	CFM8_Sca11	CFM8_Sca12	CFM8_Sca13	CFM8_Sca14
4									
5	SiO_2	49.397	48.462	48.851	50.153	49.36	48.98	48.996	49.602
6	$Al2O_3$	25.552	25.59	25.583	25.309	25.55	25.255	25.512	25.25
7	FeO	0.055	0.049	0.09	0.07	0.028	0.038	0.022	0.059
8	CaO	14.542	14.867	14.872	13.563	14.671	14.83	14.144	14.463
9	MnO	0.062	0.073	0.048	0.062	0.045	0.037	0.022	0.04
10	MgO	0	0	0.012	0	0	0	0	0
11	Na_2O	5.409	5.152	5.174	6.079	5.44	5.177	5.446	5.496
12	K_2O	0.357	0.392	0.37	0.502	0.366	0.364	0.389	0.386
13	Cl	0.984	0.85	0.839	1.298	0.867	0.808	1.004	0.984
14	SO_3	0.798	0.869	0.96	0.036	1.211	1.379	0.707	0.923
15	Total	97.156	96.304	96.799	97.072	97.538	96.868	96.242	97.203

	A	AH	AI	AJ	AK	AL	AM	AN	AO
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	CFM8_Sca15	MKS8_bright1	MKS8_bright2	MKS8_bright3	MKS8_bright4	MKS8_dark1	MKS8_dark2	MKS8_dark4
4									
5	SiO_2	48.806	57.994	58.27	56.507	55.918	56.434	53.161	52.048
6	$Al2O_3$	25.161	22.312	22.344	23.354	23.4	22.562	23.924	24.25
7	FeO	0.062	0.057	0.081	0.013	0.005	0.065	0.022	0.041
8	CaO	15.123	5.559	5.353	6.064	7.068	7.016	9.705	10.725
9	MnO	0.045	0	0.042	0	0.008	0.004	0	0
10	MgO	0	0	0	0	0	0	0	0
11	Na_2O	5.173	10.237	10.179	9.448	9.506	9.453	8.261	7.492
12	K_2O	0.367	1.02	1.247	0.854	0.917	1.095	0.774	0.555
13	Cl	0.798	3.431	3.632	3.048	3.304	3.304	2.564	2.189
14	SO_3	1.141	0.157	0.22	0.055	0.047	0.335	0.875	1.667
15	Total	96.676	100.767	101.368	99.343	100.173	100.268	99.286	98.967

	A	AP	AQ	AR	AS	AT	AU	AV	AW
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	MKS8_dark5	MKS8_normal1	MKS8_normal2	MKS8_normal3	MKS8_normal4	MKS8_normal5	MKS8_normal6	MKS8_normal7
4									
5	SiO_2	53.243	58.952	58.566	56.809	57.4	57.937	57.137	58.55
6	$Al2O_3$	24.131	21.96	22.341	22.564	22.086	21.891	22.336	22.2
7	FeO	0.025	0.079	0.152	0.068	0.025	0.022	0.095	0.041
8	CaO	9.803	5.121	5.19	6.525	6.039	5.606	6.045	5.304
9	MnO	0.005	0.002	0.039	0	0	0.004	0.013	0.021
10	MgO	0	0	0	0	0	0	0	0
11	Na_2O	8.267	10.512	10.403	9.837	10.128	10.138	9.678	10.493
12	K_2O	0.59	1.231	1.123	1.098	1.128	1.243	0.954	1.31
13	Cl	2.505	3.733	3.678	3.436	3.493	3.621	3.43	3.678
14	SO_3	1.059	0.146	0.16	0.169	0.253	0.197	0.389	0.163
15	Total	99.628	101.736	101.652	100.506	100.552	100.659	100.077	101.76

	A	AX	AY	AZ	BA	BB	BC	BD	BE
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)	MKE021	MKE021	MKE021	MKE021	MKE021	MKE021	MKE021	MKE021
3	sample no.	Core	Zone 1	Zone 2	6_2d1	6_2d2	6_2d3	6_2d4	6_3a_1
4									
5	SiO_2	55.47	54.82	55.7	54.22	54.72	54.82	55.48	55.19
6	$Al2O_3$	22.68	22.6	22.99	22.69	22.69	22.03	22.45	22.44
7	FeO	0.0226	0.1023	0.0677	0.052	0.1269	0.1122	0.0571	0.0469
8	CaO	8.19	8.87	8.38	8.98	8.66	7.99	7.95	8.39
9	MnO				0	0	0	0.0206	0.0187
10	MgO				0	0.0732	0	0	0
11	Na_2O	9.14	9.07	9.39	8.69	8.88	9.5	9.33	9.14
12	K_2O	0.8287	0.7387	0.8323	0.5457	0.5521	0.6508	0.736	0.6412
13	Cl	2.9	2.58	2.89	2.48	2.61	2.75	2.85	2.68
14	SO_3	0.1042	0.8065	0.1038	0.4016	0.2915	0.3374	0.3299	0.3948
15	Total	99.3355	99.5875	100.3538	98.0593	98.6037	98.1904	99.2036	98.9416

	A	BF	BG	BH	BI	BJ	BK	BL	BM
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)	MKE021	MKE021	MKE021	MKE021	MKE021	MKE021	MKE021	MKE021
3	sample no.	6_3a_2	6_3a_3	6_6_1	6_6_2	6_4_1	6_4_2	6_4_3	6_8_1
4									
5	SiO_2	52.63	55.7	55.73	55.08	54.89	56.4	55.13	54.32
6	$Al2O_3$	23.49	22.61	22.08	22.55	23.76	22.97	22.65	22.96
7	FeO	0.0191	0.0312	0.0485	0.0607	0.0642	0.0883	0.0486	0.104
8	CaO	10.82	8.03	7.93	8.17	9.72	8.19	8.05	8.7
9	MnO	0	0	0.0107	0.0382	0	0	0	0
10	MgO	0	0	0	0	0	0	0	0
11	Na_2O	7.82	9.3	9.63	9.3	8.56	9.15	9.32	8.93
12	K_2O	0.4293	0.7558	0.6651	0.6849	0.3504	0.6453	0.5741	0.5966
13	Cl	1.97	2.79	2.83	2.75	2.38	2.72	2.67	2.52
14	SO_3	1.228	0.3185	0.2725	0.3694	0.7387	0.3399	0.3814	0.3804
15	Total	98.4064	99.5355	99.1968	99.0032	100.4633	100.5035	98.8241	98.511

	A	BN	BO	BP	BQ	BR	BS	BT	BU
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)	MKE021	MKE021	MKE021	MKE021	MKE021	MKE021	MKE021	
3	sample no.	6_8_2	6b_3_4	6b_3_3	6b_3_2	6b_3_1	6b_3_5	6b_6_1	MKS3_Sc1
4									
5	SiO_2	54.77	55.7	55.47	55.84	54.82	55.51	56.53	55.51
6	$Al2O_3$	23.56	22.99	22.68	23.1	22.6	22.85	22.93	22.66
7	FeO	0.0418	0.0677	0.0226	0.0607	0.1023	0.1063	0.0906	0.0691
8	CaO	9.8	8.38	8.19	8.7	8.87	8.7	8.02	6.92
9	MnO	0.0312	0	0.0061	0	0.0109	0	0	
10	MgO	0.167	0	0	0	0	0	0	0
11	Na_2O	8.24	9.39	9.14	9.18	9.07	9.33	9.44	9.79
12	K_2O	0.4448	0.8323	0.8287	0.6507	0.7387	0.7714	0.8445	0.9956
13	Cl	2.2	2.78	2.8	2.54	2.9	2.65	2.98	3.79
14	SO_3	0.9702	0.1038	0.1042	0.8059	0.8065	0.8023	0.1618	0.0209
15	Total	100.225	100.2438	99.2416	100.8773	99.9184	100.72	100.9969	99.7556

	A	BV	BW	BX	BY	BZ	CA	CB	CC
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	MKS3_Sc2	MKS3_Sc3	MKS3_Sc4	MKS3_Sc5	MKS3_Sc6	MKS3_Sc7	MKS3_Sc8	MKS3_Sc9
4									
5	SiO_2	55.4	55.68	56.56	56.07	56.9	56.17	56.22	55.12
6	$Al2O_3$	22.77	22.54	22.29	22.6	22.37	22.63	22.5	23.38
7	FeO	0.0386	0.0531	0.0549	0.0531	0.037	0.0516	0.0676	0.0612
8	CaO	6.9	6.37	5.53	6.54	6.11	6.5	6.47	7.63
9	MnO								
10	MgO	0	0	0	0	0	0	0	0
11	Na_2O	9.77	10.29	8.71	9.93	10.71	10.1	10.23	9.49
12	K_2O	1.0635	1.181	0.7981	1.1306	0.8662	0.964	1.1922	1.0173
13	Cl	3.75	3.94	3	3.82	3.82	3.9	3.91	3.58
14	SO_3	0.0364	0.0024	0.0088	0.0107	0.0141	0.0214	0.0175	0.0287
15	Total	99.7285	100.0565	96.9518	100.1544	100.8273	100.337	100.6073	100.3072

	A	CD	CE	CF	CG	CH	CI	CJ	CK
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	MKS3_Sc10	MKS3_Sc11	MKS3_Sca12	MKS1A_Sca1	MKS1A_Sca2	MKS1A_Sca3	MKS1A_Sca4	MKS1A_Sca5
4									
5	SiO_2	54.99	55.06	56.75	56.52	56.6	56.74	57.08	56.28
6	$Al2O_3$	23.51	23.43	22.4	22.44	22.33	22.27	22.32	22.45
7	FeO	0.0386	0.071	0.1036	0.1233	0.1152	0.1136	0.1136	0.0731
8	CaO	7.47	7.67	6.14	6.56	6.39	6.23	6.11	6.39
9	MnO								
10	MgO	0	0	0	0	0	0	0	0
11	Na_2O	9.72	9.69	10.27	10.39	10.19	10.5	10.57	10.34
12	K_2O	0.9538	1.0011	1.21	0.9582	1.0699	1.1069	0.9479	0.9732
13	Cl	3.66	3.66	3.98	3.77	3.87	3.9	3.94	3.84
14	SO_3	0.0165	0.0252	0.0063	0	0	0	0	0.0122
15	Total	100.3589	100.6073	100.8599	100.7615	100.5651	100.8605	101.0815	100.3585

	A	CL	CM	CN	CO	CP	CQ	CR	CS
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	MKS1A_Sca6	MKS1A_Sca7	CFM2_3	CFM2_3_midd	CFM2_3_3	CFM2_4_dark1	CFM2_4_dark2	CFM2_5_dark
4									
5	SiO_2	56.52	56.91	50.234	50.043	49.673	49.999	49.533	49.414
6	$Al2O_3$	22.55	22.42	25.725	25.964	25.949	25.671	25.948	26.095
7	FeO	0.1137	0.078	0.036	0.049	0.07	0.073	0.137	0.074
8	CaO	6.55	6.29	14.54	14.58	14.591	14.583	14.909	15.11
9	MnO			0.019	0.008	0.005	0.023	0.036	0.035
10	MgO	0	0	0	0	0.004	0	0	0
11	Na_2O	10.27	10.35	5.583	5.587	5.345	5.374	5.269	5.152
12	K_2O	1.0498	1.0475	0.407	0.43	0.431	0.478	0.494	0.487
13	Cl	3.8	3.88	1.108	1.028	0.94	1.06	0.927	0.914
14	SO_3	0.0122	0.0064	0.354	0.52	0.876	0.282	1.12	0.653
15	Total	100.8657	100.9819	98.006	98.209	97.884	97.543	98.373	97.934

	A	CT	CU	CV	CW	CX	CY	CZ	DA
1	**EPMA analyses**								
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)								
3	sample no.	CFM2_4_brigh	CFM2_5_brigh	CFM2_random	CFM2_random	CFM2_random	CFM2_random	CFM2_random	CFM2_random
4									
5	SiO_2	50.019	49.934	49.675	50.098	49.738	49.346	50.239	49.851
6	$Al2O_3$	25.975	25.966	25.962	25.715	25.649	25.898	26.115	25.886
7	FeO	0.052	0.063	0.047	0.014	0.095	0.041	0.017	0.024
8	CaO	14.747	14.502	14.976	14.104	14.678	15.049	14.595	14.799
9	MnO	0.027	0.022	0.026	0	0.041	0.043	0.022	0
10	MgO	0	0	0	0	0	0	0	0
11	Na_2O	5.49	5.47	5.298	5.618	5.183	4.942	5.646	5.263
12	K_2O	0.496	0.424	0.428	0.468	0.488	0.557	0.471	0.495
13	Cl	1.02	1.072	0.97	1.068	1.049	0.959	1.079	1.044
14	SO_3	0.329	0.343	0.705	0.561	0.318	0.522	0.252	0.248
15	Total	98.155	97.796	98.087	97.646	97.239	97.357	98.436	97.61

	A	DB	DC	DD	DE	DF
1	**EPMA analyses**					
2	Scapolite (Na,Ca,K)4[Al3(Al,Si)3Si6O24](Cl,CO3,SO4)					
3	sample no.	BB1	BB1	BB1	BB1	BB1
4						
5	SiO_2	55.803	56.297	56.214	55.914	55.932
6	$Al2O_3$	22.301	22.272	22.102	22.125	22.25
7	FeO	0.095	0.112	0.132	0.116	0.138
8	CaO	7.041	6.938	7.044	7.026	6.93
9	MnO	0.01	0.006	0.03	0.008	0.019
10	MgO	0	0	0	0	0
11	Na_2O	9.053	9.107	9.001	9.023	9.15
12	K_2O	1.627	1.586	1.546	1.612	1.528
13	Cl	3.084	3.067	3.088	3.071	3.06
14	SO_3	0.761	0.8	0.7	0.82	0.89
15	Total	99.775	100.185	99.857	99.715	99.897