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Solution

GRADE 30 Solution.rmrsln

20MK GRADE 30_20230804_122800_G02_S02_M02-Evaluati report (20MK GRADE 30_20230804_122800_G02_S02_M02)



General information

Analysis date	2023-08-04 14:54:10	Measurement start time	2023-08-04 12:33:05
Analyst	Administrator	Operator	Administrator
Sample name	20MK GRADE 30	Comment	
Measured data name	C:\Users\Rigaku pc\Desktop\ANALYSIS\OGA\04-08-2023\20...	Memo	

Peak list

No.	2 θ , °	d, Å	Height, cps	FWHM, °	Int. I., cps°	Int. W., °	Asymmetry	Decay(η L/mL)	Decay(η H/mH)	Size, Å
1	26.833(12)	3.3199(14)	1620(124)	0.234(12)	503(24)	0.31(4)	1.4(2)	0.05(19)	1.1(4)	365(19)
2	27.90(5)	3.195(6)	384(34)	0.36(4)	147(25)	0.38(10)	0.5(3)	0.0(10)	0.0(7)	238(27)
3	29.65(4)	3.011(4)	337(47)	0.25(4)	112(21)	0.33(11)	1.2(7)	0.0(10)	1.1(11)	348(63)
4	50.33(3)	1.8114(9)	433(56)	0.21(5)	116(12)	0.27(6)	1.1(5)	0.2(5)	0.7(4)	433(101)
5	50.750(9)	1.7975(3)	1300(133)	0.074(9)	121(11)	0.093(18)	1.1(5)	0.2(5)	0.7(4)	1247(159)

No.	2 θ , °	Phase Name	Chemical Formula	Card No	Norm. I.	Profile Type	Distributi...	Degree of Orientation
1	26.833(12)	Quartz, syn: 0 1 1, Albite: 2 -2 -...	Si O ₂ , Na Al Si ₃ O ₈ ,...	01-085-0865,00-00...	100.00	Split pseudo-Voigt	-	-
2	27.90(5)	Osumilite: 2 1 1, Muscovite: 1 1 4	K - Na - Ca - Mg -...	00-010-0413,00-00...	29.20	Split pseudo-Voigt	-	-
3	29.65(4)	Albite: 1 -2 -2, Osumilite: 2 1 2,...	Na Al Si ₃ O ₈ , K - Na...	00-003-0451,00-01...	22.21	Split pseudo-Voigt	-	-
4	50.33(3)	Quartz, syn: 1 1 2, Orthoclase: 4...	Si O ₂ , Al ₂ O ₃ · K ₂ O...	01-085-0865,00-00...	23.14	Split pseudo-Voigt	-	-
5	50.750(9)	Quartz, syn: 0 0 3	Si O ₂	01-085-0865	24.12	Split pseudo-Voigt	-	-

No.	2 θ , °	Ring Factor	β Cluster
1	26.833(12)	-	-
2	27.90(5)	-	-
3	29.65(4)	-	-
4	50.33(3)	-	-
5	50.750(9)	-	-

Qualitative Analysis Results



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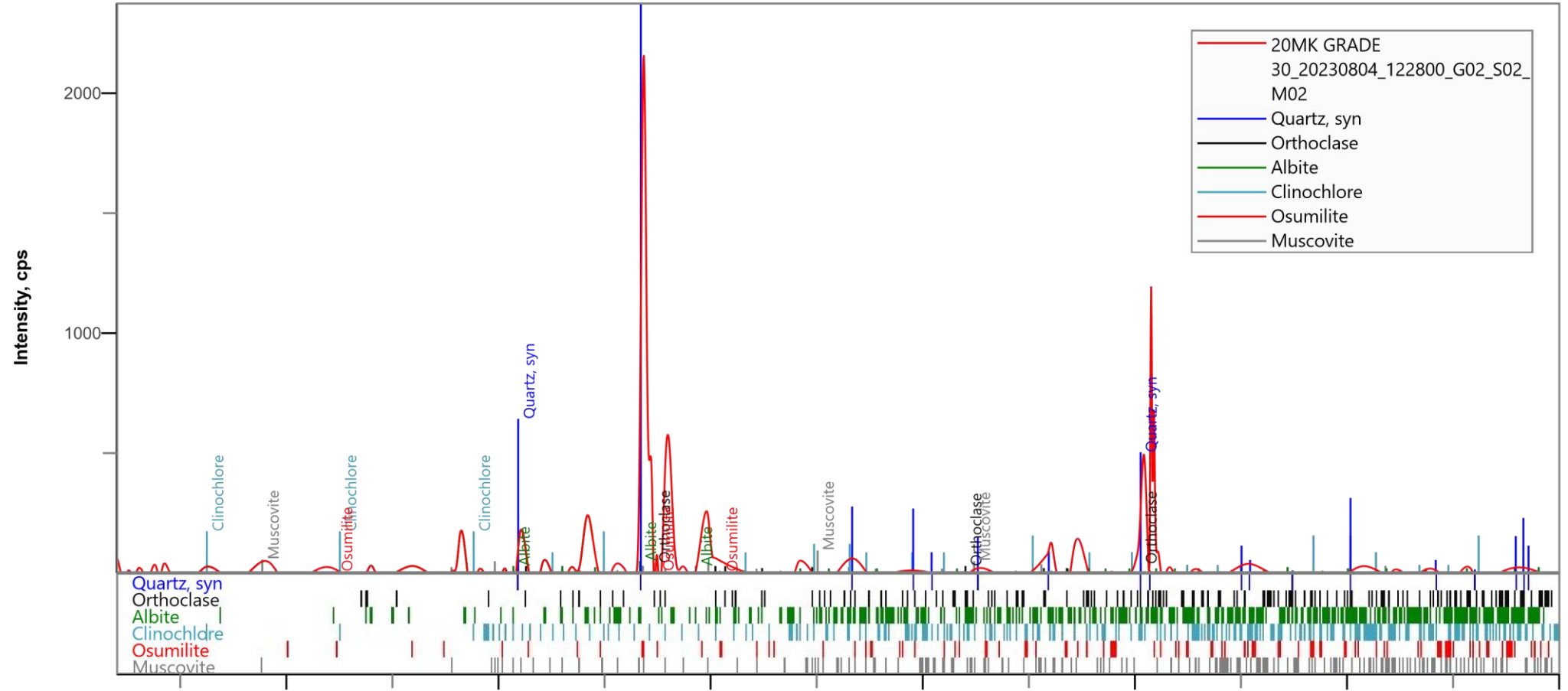


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Phase name	Formula	Figure of merit	Phase reg. detail	Space Group	DB Card Number
Quartz, syn	Si O ₂	1.564	S/M(PDF-4 Minerals 2021)	154 : P3221	01-085-0865
Orthoclase	Al ₂ O ₃ · K ₂ O · 6 Si O ₂	2.868	Import(PDF-4 Minerals 2021)	12 : C12/m1	00-002-0475
Albite	Na Al Si ₃ O ₈	3.035	Import(PDF-4 Minerals 2021)	2 : P-1	00-003-0451
Clinocllore	(Mg , Fe +2) 5 Al (Si ₃ Al) O...	2.850	Import(PDF-4 Minerals 2021)	15 : C12/c1	00-002-0012
Osumilite	K - Na - Ca - Mg - Fe - Al - S...	2.902	Import(PDF-4 Minerals 2021)	192 : P6/mcc	00-010-0413
Muscovite	H ₂ K Al ₃ (Si O ₄) ₃	3.073	Import(PDF-4 Minerals 2021)	15 : C12/c1	00-001-1098

Phase Data View





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