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Solution

GRADE 50 Solution.rmrsln

10MK GRADE 50_20230804_122800_G04_S04_M04-Evaluati report (10MK GRADE 50_20230804_122800_G04_S04_M04)



General information

Analysis date	2023-08-04 14:29:51	Measurement start time	2023-08-04 12:40:44
Analyst	Administrator	Operator	Administrator
Sample name	10MK GRADE 50	Comment	
Measured data name	C:\Users\Rigaku pc\Desktop\ANALYSIS\OGA\04-08-2023\10...	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	26.829(7)	3.3203(9)	1434(131)	0.152(17)	325(18)	0.23(3)	0.5(2)	1.55(17)	0.2(3)	561(63)
2	28.049(12)	3.1786(14)	969(85)	0.10(4)	155(44)	0.16(6)	1.5(8)	1.2(4)	0.5(4)	844(317)
3	28.239(12)	3.1577(13)	1331(117)	0.11(3)	227(48)	0.17(5)	1.5(8)	1.2(4)	0.5(4)	789(217)
4	49.97(4)	1.8237(15)	262(44)	0.20(9)	91(17)	0.35(12)	0.5(6)	0.0(17)	1.5(7)	467(211)

No.	2 θ , °	Phase Name	Chemical Formula	Card No	Norm. I.	Profile Type	Distributi...	Degree of Orientation
1	26.829(7)	Quartz: 1 0 1,Muscovite: 0 0 6,...	Si O ₂ ,H ₂ K Al ₃ (Si...	00-001-0649,00-00...	100.00	Split pseudo-Voigt	-	-
2	28.049(12)	Unknown			47.55	Split pseudo-Voigt	-	-
3	28.239(12)	Unknown			69.94	Split pseudo-Voigt	-	-
4	49.97(4)	Orthoclase: 4 2 0,Clinochlore:...	Al ₂ O ₃ · K ₂ O ·6 Si...	00-002-0475,00-00...	27.97	Split pseudo-Voigt	-	-

No.	2 θ , °	Ring Factor	β Cluster
1	26.829(7)	-	-
2	28.049(12)	-	-
3	28.239(12)	-	-
4	49.97(4)	-	-

Qualitative Analysis Results



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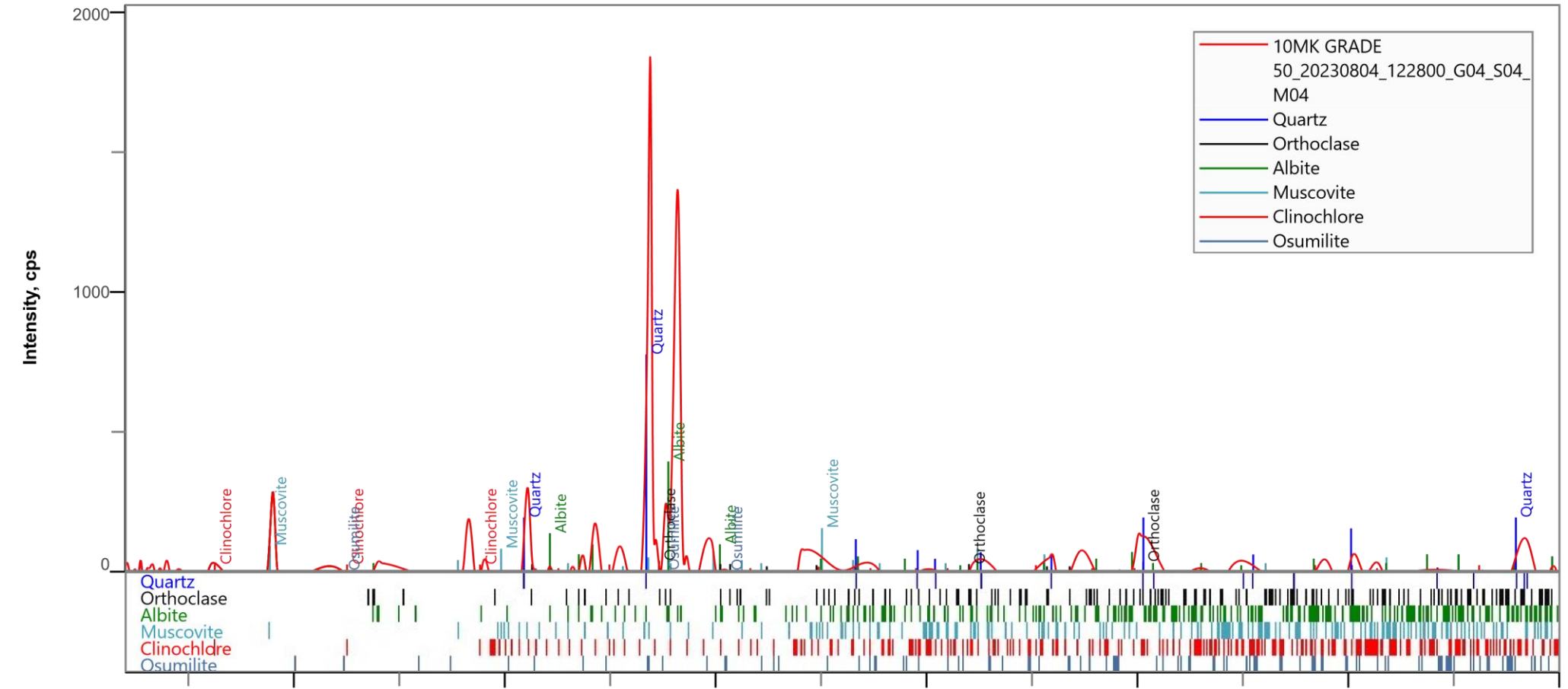


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Phase name	Formula	Figure of merit	Phase reg. detail	Space Group	DB Card Number
Quartz	Si O2	1.594	Import(PDF-4 Minerals 2021)	154 : P3221	00-001-0649
Orthoclase	Al2 O3 · K2 O · 6 Si O2	2.955	Import(PDF-4 Minerals 2021)	12 : C12/m1	00-002-0475
Albite	Na Al Si3 O8	2.770	Import(PDF-4 Minerals 2021)	2 : C-1	00-001-0739
Muscovite	H2 K Al3 (Si O4)3	2.790	Import(PDF-4 Minerals 2021)	15 : C12/c1	00-001-1098
Clinocllore	(Mg , Fe +2)5 Al (Si3 Al) O...	2.850	Import(PDF-4 Minerals 2021)	15 : C12/c1	00-002-0012
Osumilite	K - Na - Ca - Mg - Fe - Al - S...	3.092	Import(PDF-4 Minerals 2021)	192 : P6/mcc	00-010-0413

Phase Data View





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