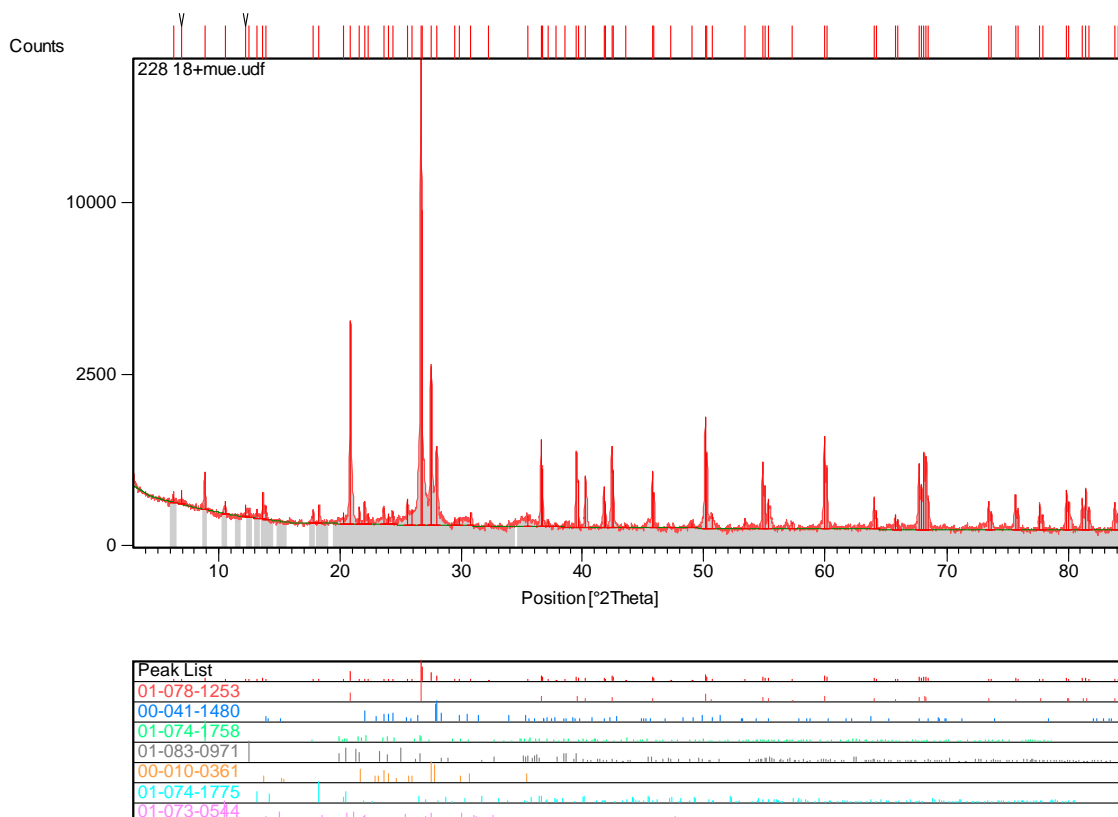


This is the simple example template containing only headers for each report item and the bookmarks.

Modify it according to your own needs and standards.

### **Measurement Conditions:** (Bookmark 1)



### **Main Graphics, Analyze View:** (Bookmark 2)

### **Recognized Minerals:** (Bookmark 3)

Quality	Score	SemiQuant [%]	Compound Name	Chemical Formula	Scale Factor	Ref. Code	Displacement [°2Th.]	RIR
"C"	74	63	Quartz $\alpha$ , syn	SiO <sub>2</sub>	0.991	01-078-1253	-0.016	3.340
"I";UE	37	7	Albite, calcian, ordered	(Na, Ca)Al(Si, Al) <sub>3</sub> O <sub>8</sub>	0.021	00-041-1480	-0.027	0.650
"C"	41	3	Dickite	Al <sub>2</sub> Si <sub>2</sub>	0.069	01-074-	0.091	4.680

		(special Illite/Mica )	O5 ( O H )4 ( H C O N H2 )		1758		
"C"	24	5 Kaolinite	Al2 ( Si2 O5 ) ( O H )4	0.022	01-083- 0971	0.087	1.040
"B";D;U E	23	15 Anorthoc lase, syn	Na0.71 K0.29 Al Si3 O8	0.041	00-010- 0361	-0.031	0.600
"C"	22	1 Gibbsite	Al ( O H )3	0.009	01-074- 1775	-0.037	1.910
"C"	19	- Sklodows kite	( Mg O ) ( U O3 )2 ( Si O2 )2 ( H2 O )7	0.017	01-073- 0544	-0.038	10.450
"B";UE	21	4 Chlorite- vermiculi te- montmori llonite	Na0.5 Al6 ( Si , Al )8 O20 ( O H )10 ! H2 O	0.008	00-039- 0381	0.083	0.400
"C"	19	3 Chlorite	Al4.5 ( Al.8 Si3.2 ) O10 ( O H )8	0.008	01-071- 0821	-0.017	0.650

**Candidate List:** (Bookmark 4)

Score	RIR	Compo und Name	Scale Factor	Chemical Formula	Total Lines	Matche d Lines	New Matche d Lines	Strong Unmat ched Lines	Displa cement [°2Th.]	Ref. Code
24	9.170	Ganop hyllite	0.001	K2.16 Mn16 Si26.9 O67.8 ( O H )8	141	64	4	0	-0.073	01- 085- 1405
17	1.440	Nacrite	0.001	Al2 Si2 O5 ( O H )4	156	71	2	0	-0.037	01- 076- 0631
16	0.000	Acmite , syn	0.002	Na Fe Si2 O6	16	11	1	0	0.004	00- 015- 0787
16	7.920	Fourm arierite	0.001	Pb ( U O2 )4 O3 ( O	152	82	2	0	-0.115	01- 078- 0543

				H )4 (						
				H2 O						
				)4						
13	0.000	Microcline, inter	0.004	K Al	28	26	1	0	0.019	00-010-0479
				Si3 O8						
11	1.190	Diopside	0.005	Ca Mg	111	51	1	0	0.035	01-071-1494
				Si2 O6						
11	1.320	Clinoferrrosilite, syn	0.002	Fe ( Si	154	65	3	0	0.088	01-082-1832
				O3 )						
11	1.020	Kanoite	0.004	Mn0.9	151	69	1	0	0.056	01-083-1835
				6						
				Mg1.0						
				4 Si2						
				O6						
10	0.580	Ferrohypsene	0.002	Mg.31	151	71	3	0	-0.074	01-073-0243
				8						
				Fe.666						
				Ca.016						
				Si O3						
10	1.010	Clinopyroxene	0.004	(	112	49	1	0	0.069	01-085-1740
				Al0.05						
				8						
				Fe0.13						
				2						
				Mg0.7						
				34						
				Ti0.07						
				3						
				Cr0.00						
				3 ) (						
				Ca0.56						
				9						
				Fe0.23						
				1Mg0.						
				183						
				Mn0.0						
				17 ) (						
				Si1.79						
				2						
				Al0.20						
				8 O6 )						

**Peak List:** (Bookmark 5)

d-spacing	Pos. [°2Th.]	Height [cts]	FWHM M	Rel. Int.	Tip width	Match ed by	Height [cps]	Area [cps*°]	Area [cts*°2]	Match ed
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g [Å]			[°2Th.]	[%]	[°2Th.]		2Th.]	Th.]		
14.108 21	6.2649	93.31	0.5465	0.46	0.4554	00- 039- 0381; 01- 071- 0821	0.94	0.34	34.00	Yes
12.679 57	6.9716	110.80	0.3204	0.55	0.2670		1.11	0.24	23.67	No
9.9655 7	8.8737	341.53	0.0669	1.69	0.0680	01- 074- 1758	3.43	0.23	22.54	Yes
8.3776 0	10.560 1	77.35	0.0502	0.38	0.0510	01- 073- 0544	0.78	0.04	3.83	Yes
7.2213 1	12.257 0	69.10	0.0200	0.34	0.0167		0.69	0.01	0.92	No
7.1063 2	12.456 1	35.63	0.3346	0.18	0.3400	01- 083- 0971; 01- 071- 0821	0.36	0.12	11.76	Yes
6.7347 6	13.146 3	45.05	0.1004	0.22	0.1020	01- 074- 1775	0.45	0.04	4.46	Yes
6.4856 7	13.653 5	180.11	0.0669	0.89	0.0680	00- 010- 0361; 01- 073- 0544	1.81	0.12	11.89	Yes
6.3867 7	13.866 0	70.11	0.1004	0.35	0.1020	00- 041- 1480; 01- 073- 0544	0.70	0.07	6.94	Yes
4.9880 2	17.782 3	55.00	0.0836	0.27	0.0850	01- 074- 1758	0.55	0.05	4.54	Yes
4.8532 7	18.280 2	94.64	0.1171	0.47	0.1190	01- 074- 1775	0.95	0.11	10.93	Yes
4.3807 4	20.271 8	48.40	0.2597	0.24	0.2164	01- 074- 1758; 01- 074- 1775;	0.49	0.08	8.38	Yes

4.25828	20.8612	4298.40	0.1004	21.32	0.1020	01-073-0544; 01-071-0821 01-078-1253; 01-071-0821	43.12	4.27	425.58	Yes
4.11643	21.5885	82.43	0.0502	0.41	0.0510	01-074-1758; 01-083-0971; 00-010-0361; 01-071-0821	0.83	0.04	4.08	Yes
4.04084	21.9974	126.22	0.0836	0.63	0.0850	00-041-1480; 01-074-1758; 01-074-1775; 01-073-0544	1.27	0.10	10.41	Yes
3.98461	22.3117	43.92	0.1004	0.22	0.1020	01-074-1758; 01-071-0821	0.44	0.04	4.35	Yes
3.77365	23.5764	80.29	0.1338	0.40	0.1360	00-041-1480; 01-074-1758; 00-010-	0.81	0.11	10.60	Yes

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						0361; 01- 071- 0821				
3.7089 2	23.994 0	49.22	0.3651	0.24	0.3043	00- 041- 1480; 01- 074- 1758; 01- 083- 0971; 00- 010- 0361	0.49	0.12	11.98	Yes
3.6576 6	24.335 3	56.45	0.1338	0.28	0.1360	00- 041- 1480; 01- 074- 1758	0.57	0.07	7.45	Yes
3.4906 4	25.518 9	141.66	0.0502	0.70	0.0510	00- 041- 1480; 00- 010- 0361; 01- 073- 0544; 00- 039- 0381	1.42	0.07	7.01	Yes
3.4423 9	25.882 8	77.10	0.5205	0.38	0.4337	00- 041- 1480; 00- 010- 0361; 01- 071- 0821	0.77	0.27	26.75	Yes
3.3437 4	26.637 8	20164. 27	0.1020	100.00	0.0850	01- 078- 1253; 01- 074- 1758; 01-	202.26	27.51	2742.3 4	Yes

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Table 1: Comparison of the proposed model with the existing models						Table 2: Comparison of the proposed model with the existing models				
Model	MAE	RMSE	MAPE	RMSE	MAPE	Model	MAE	RMSE	MAPE	RMSE
3.34165	26.7222	9536.40	0.0408	47.29	0.0340	083-0971; 01-074-1775	95.66	5.20	518.78	No
3.24597	27.4556	2701.26	0.1020	13.40	0.0850	01-074-1758; 00-010-0361; 01-073-0544; 01-071-0821	27.10	3.68	367.37	Yes
3.24532	27.5308	2315.70	0.0408	11.48	0.0340	00-041-1480; 00-010-0361; 01-074-1775; 01-073-0544	23.23	1.26	125.97	No
3.19328	27.9177	787.10	0.1632	3.90	0.1360	01-074-1775; 01-073-0544	7.90	1.72	171.27	Yes
3.03271	29.4284	23.13	0.2448	0.11	0.2040	00-041-1480; 01-074-1758; 01-073-0544	0.23	0.08	7.55	Yes
2.99635	29.7936	29.53	0.2448	0.15	0.2040	00-041-1480; 01-074-1758; 00-010-0361; 01-073-	0.30	0.10	9.64	Yes

						0544				
2.9041	30.762	55.27	0.2040	0.27	0.1700	00-	0.55	0.15	15.03	Yes
8	2					010-				
						0361				
2.7759	32.221	5.75	0.6528	0.03	0.5440	01-	0.06	0.05	5.01	Yes
5	0					073-				
						0544;				
						01-				
						071-				
						0821				
2.5295	35.459	42.31	0.3264	0.21	0.2720	00-	0.42	0.18	18.42	Yes
0	3					041-				
						1480;				
						01-				
						074-				
						1758;				
						01-				
						083-				
						0971;				
						00-				
						010-				
						0361;				
						01-				
						074-				
						1775;				
						01-				
						073-				
						0544;				
						01-				
						071-				
						0821				
2.4572	36.538	923.51	0.0816	4.58	0.0680	01-	9.26	1.01	100.48	Yes
1	8					078-				
						1253;				
						00-				
						041-				
						1480;				
						01-				
						074-				
						1758;				
						01-				
						074-				
						1775;				
						01-				
						073-				
						0544;				
						01-				
						071-				
						0821				
2.4561	36.649	466.09	0.0408	2.31	0.0340		4.68	0.25	25.36	No



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6	0									
2.4230	37.071	24.00	0.1632	0.12	0.1360	00-	0.24	0.05	5.22	Yes
9	9					041-				
						1480;				
						01-				
						074-				
						1758;				
						01-				
						074-				
						1775				
2.3815	37.742	9.70	0.2448	0.05	0.2040	00-	0.10	0.03	3.17	Yes
5	7					041-				
						1480;				
						01-				
						074-				
						1758;				
						01-				
						083-				
						0971;				
						01-				
						074-				
						1775;				
						01-				
						071-				
						0821				
2.3339	38.542	18.97	0.2448	0.09	0.2040	00-	0.19	0.06	6.19	Yes
6	4					041-				
						1480;				
						01-				
						074-				
						1758;				
						01-				
						083-				
						0971;				
						01-				
						073-				
						0544;				
						00-				
						039-				
						0381;				
						01-				
						071-				
						0821				
2.2818	39.459	726.04	0.0816	3.60	0.0680	01-	7.28	0.79	78.99	Yes
3	0					078-				
						1253;				
						00-				
						041-				
						1480;				
						01-				

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						074-1758; 01-083-0971				
2.2808 2	39.579 4	319.24	0.0612	1.58	0.0510		3.20	0.26	26.05	No
2.2369 2	40.285 1	380.15	0.0612	1.89	0.0510	01-078-1253; 01-074-1758; 01-083-0971; 01-074-1775; 01-071-0821	3.81	0.31	31.02	Yes
2.1592 2	41.801 3	262.28	0.0612	1.30	0.0510	00-041-1480; 01-074-1758; 01-083-0971; 01-074-1775; 01-073-0544; 01-071-0821	2.63	0.21	21.40	Yes
2.1587 6	41.919 5	117.92	0.0612	0.58	0.0510		1.18	0.10	9.62	No
2.1282 2	42.439 4	799.58	0.0816	3.97	0.0680	01-078-1253; 00-041-1480; 01-074-	8.02	0.87	86.99	Yes

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						1758; 01- 083- 0971; 01- 073- 0544; 01- 071- 0821				
2.1275 7	42.563 6	436.78	0.0612	2.17	0.0510		4.38	0.36	35.64	No
2.0751 0	43.580 5	8.88	0.2448	0.04	0.2040	01- 074- 1758; 01- 074- 1775; 01- 073- 0544	0.09	0.03	2.90	Yes
1.9801 8	45.785 3	435.09	0.0816	2.16	0.0680	01- 078- 1253; 00- 041- 1480; 01- 083- 0971; 01- 074- 1775; 01- 073- 0544; 00- 039- 0381; 01- 071- 0821	4.36	0.47	47.34	Yes
1.9796 4	45.918 6	212.94	0.0612	1.06	0.0510		2.14	0.17	17.38	No
1.9201 7	47.301 6	2.01	0.6528	0.01	0.5440	01- 074- 1758; 01- 083- 0971;	0.02	0.02	1.75	Yes

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						01- 074- 1775; 01- 073- 0544; 01- 071- 0821				
1.8568 1	49.019 9	17.20	0.3264	0.09	0.2720	00- 041- 1480; 01- 074- 1758; 01- 083- 0971; 01- 074- 1775; 01- 073- 0544; 01- 071- 0821	0.17	0.08	7.49	Yes
1.8182 3	50.130 8	1394.8 8	0.1020	6.92	0.0850	01- 078- 1253; 01- 074- 1758; 01- 073- 0544; 00- 039- 0381	13.99	1.90	189.70	Yes
1.8179 5	50.272 4	689.18	0.0816	3.42	0.0680		6.91	0.75	74.98	No
1.7991 7	50.699 3	53.83	0.2448	0.27	0.2040	01- 078- 1253; 00- 041- 1480; 01- 074- 1758;	0.54	0.18	17.57	Yes

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						01-083-0971;					
						01-074-1775;					
						01-073-0544;					
						01-071-0821					
1.7142	53.404	35.63	0.1632	0.18	0.1360	01-074-1758;	0.36	0.08	7.75	Yes	
3	6					01-073-0544;					
						01-071-0821					
1.6718	54.869	568.72	0.0816	2.82	0.0680	01-078-1253;	5.70	0.62	61.88	Yes	
7	7					01-074-1758;					
						01-083-0971;					
						01-074-1775;					
						01-073-0544;					
						01-071-0821					
1.6715	55.028	274.07	0.0612	1.36	0.0510		2.75	0.22	22.36	No	
7	4										
1.6595	55.311	155.15	0.0816	0.77	0.0680	01-078-1253;	1.56	0.17	16.88	Yes	
6	7					00-041-1480;					
						01-074-1758;					

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[illegible]



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						01- 074- 1775; 01- 073- 0544; 01- 071- 0821				
1.3823 3	67.731 2	543.20	0.0816	2.69	0.0680	01- 078- 1253; 00- 041- 1480; 01- 074- 1758; 01- 074- 1775; 01- 073- 0544; 01- 071- 0821	5.45	0.59	59.10	Yes
1.3822 4	67.927 4	287.67	0.0816	1.43	0.0680		2.89	0.31	31.30	No
1.3752 7	68.126 4	702.98	0.1020	3.49	0.0850	01- 078- 1253; 01- 074- 1758; 01- 083- 0971; 01- 074- 1775; 01- 073- 0544; 01- 071- 0821	7.05	0.96	95.61	Yes
1.3719 9	68.311 9	644.95	0.1020	3.20	0.0850	01- 078- 1253;	6.47	0.88	87.71	Yes

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1.37219	68.4938	158.39	0.1020	0.79	0.0850	00-041-1480;01-074-1758;01-083-0971;01-073-0544;01-071-0821	1.59	0.22	21.54	No
1.28821	73.4476	140.20	0.1224	0.70	0.1020	01-078-1253;01-074-1758;01-083-0971;01-074-1775;01-073-0544;01-071-0821	1.41	0.23	22.88	Yes
1.28775	73.6913	69.96	0.1020	0.35	0.0850	01-078-1253;01-083-0971;01-074-1775;01-073-0544;01-071-0821	0.70	0.10	9.51	No
1.25610	75.6491	198.23	0.1224	0.98	0.1020	01-078-1253;01-083-0971;01-074-1775;01-073-0544;01-071-0821	1.99	0.32	32.35	Yes



						0971; 01- 071- 0821				
1.1804 9	81.464 6	251.73	0.1428	1.25	0.1190	01- 078- 1253; 01- 083- 0971	2.52	0.48	47.93	Yes
1.1802 9	81.726 8	99.17	0.1020	0.49	0.0850		0.99	0.14	13.49	No
1.1532 9	83.812 5	137.86	0.1020	0.68	0.0850	01- 078- 1253	1.38	0.19	18.75	Yes
1.1501 7	84.091 8	62.31	0.1224	0.31	0.1020	01- 078- 1253	0.63	0.10	10.17	Yes

More items... (Bookmark 6)

Visible	Scan Name	Start pos. [°2Th.]	End pos. [°2Th.]	Step [°2Th.]	Measured Date/Time
*	228 18+mue	3.0080	84.9820	0.0170	30-jun-2007 02:47

More items... (Bookmark 7)

Insert Measurement:

- Scan name = "228 18+mue.udf"
- Modification time = "10/07/2007 19:07:21"
- Modification editor = "Administrator"

Interpolate Step Size:

- Step Size = "Derived"
- Modification time = "10/07/2007 19:07:21"
- Modification editor = "Administrator"

Search Peaks:

- Minimum significance = "1.00"
- Minimum tip width = "0.01"
- Maximum tip width = "1.00"
- Peak base width = "5.00"
- Method = "Minimum 2nd derivative"
- Modification time = "10/07/2007 19:07:29"
- Modification editor = "Administrator"

Insert Peak:

- Peak position [°2Th.] = "6.3590"
- Modification time = "10/07/2007 19:07:36"

- Modification editor = "Administrator"

Insert Peak:

- Peak position [ $^{\circ}$ 2Th.] = "6.9716"  
- Modification time = "10/07/2007 19:07:38"  
- Modification editor = "Administrator"

Insert Peak:

- Peak position [ $^{\circ}$ 2Th.] = "12.2570"  
- Modification time = "10/07/2007 19:07:41"  
- Modification editor = "Administrator"

Insert Peak:

- Peak position [ $^{\circ}$ 2Th.] = "20.2718"  
- Modification time = "10/07/2007 19:07:47"  
- Modification editor = "Administrator"

Insert Peak:

- Peak position [ $^{\circ}$ 2Th.] = "23.9940"  
- Modification time = "10/07/2007 19:07:50"  
- Modification editor = "Administrator"

Insert Peak:

- Peak position [ $^{\circ}$ 2Th.] = "25.8828"  
- Modification time = "10/07/2007 19:08:01"  
- Modification editor = "Administrator"

Search-Match:

- Data source = "Profile and peak list"  
- Restriction = "Restriction set"  
- Description = "Minerals subfile only"  
- All of: elements = ""  
- At least one of: elements = ""  
- None of: elements = ""  
- Maximum no. of elements = "105"  
- Skip marked as deleted by ICDD = "No"  
- Skip marked as deleted by a user = "No"  
- Quality marks set = ""  
- Subfiles = "M"  
- Scoring schema = "Multi phase"  
- Auto residue = "Yes"  
- Match intensity = "Yes"  
- Demote unmatched strong = "Yes"  
- Allow pattern shift = "Yes"  
- Two theta shift = "0"  
- Identify = "No"  
- Modification time = "10/07/2007 19:08:25"  
- Modification editor = "Administrator"

Delete Peak(s):

- Start position = "6.3590"

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- End position = "6.3590"
- Modification time = "10/07/2007 19:10:44"
- Modification editor = "Administrator"

Insert Peak:

- Peak position [ $^{\circ}$ 2Th.] = "6.2649"
- Modification time = "10/07/2007 19:10:49"
- Modification editor = "Administrator"

More items... (Bookmark 8)

More items... (Bookmark 9)

More items... (Bookmark 10)

More items... (Bookmark 11)

More items... (Bookmark 12)

More items... (Bookmark 13)

More items... (Bookmark 14)

More items... (Bookmark 15)