

# Minerals FT-IR Spectral Library

## Index of Compounds

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
1	ACTINOLITE	55	BAYLDONITE
2	ADAMITE	56	BEAVERITE
3	AEGIRINE	57	BECHERERITE
4	AKAGANEITE	58	BELOVITE
5	ALBITE	59	BENITOITE
6	ALLANITE (Ce)	60	BENTONITE (brown)
7	ALMANDINE	62	BENTONITE (greenish)
8	ALUMINITE	61	BENTONITE (white)
9	ALUMOHYDROCALCITE	63	BERTRANDITE
10	ALUNITE	66	BERYL (blue)
11	AMARANTITE	65	BERYL (green)
12	AMBLYGONITE	68	BERYL (pink)
13	ANALCIME	67	BERYL (yellow)
14	ANAPAITE	64	BERYL (yellow-green)
15	ANATASE	69	BERYLLONITE
16	ANDALUSITE	70	BERZELLITE
17	ANDESINE	71	BETAFITE
18	ANDRADITE (light green)	73	BEUDANTITE (yellow green)
19	ANDRADITE (brown)	72	BEUDANTITE (yellow)
20	ANGLESITE	74	BEYERITE
21	ANHYDRITE	75	BILINITE
22	ANKERITE	77	BISMUTITE (greenish-white)
23	ANORTHITE	78	BISMUTITE (grey)
24	ANTOPHYLLITE	76	BISMUTITE (white)
25	APHTHITALITE	79	BISMUTOFERRITE (olive green)
27	AOPHYLLITE (brownish-white)	80	BISMUTOFERRITE (yellow)
26	AOPHYLLITE (white)	81	BLOEDITE
29	ARAGONITE (colorless)	82	BOLEITE
28	ARAGONITE (white)	83	BORAX
30	ARDENNITE	84	BORNEMANITE
31	ARFVEDSONITE	85	BOTRYOGEN
32	ARSENOSIDERITE	86	BRANDTITE
33	ARSENOLITE	87	BRASSITE
34	ASTROPHYLLITE	88	BRAUNITE
35	ASTROPHYLLITE (Mg)	89	BRAZILIANITE
37	ATACAMITE (Gelnica, Slovakia)	91	BROCHANTITE (Banska Bystrica, Slovakia)
36	ATACAMITE (Port Wallaroo, Chile)	90	BROCHANTITE (Vrchoslav, Czech Republic)
38	ATTAPULGITE	92	BROOKITE
40	AUGITE (black)	93	BRUCITE
39	AUGITE (yellow grey)	94	BRUGNATELLITE
41	AURICHALCITE	95	BRUSHITE
42	AUTUNITE	96	BUKOVSKYITE
43	AXINITE	97	BUSTAMITE (grey)
44	AZURITE (dark blue)	98	BUSTAMITE (pink)
45	AZURITE (blue)	99	CACOXENITE
46	BABINGTONITE	100	CALCIOVOLBORTHITE
47	BADDELEYITE	101	CALCITE (colorless)
48	BARARITE (mixture with cryptohalite)	103	CALCITE (colorless)
49	BARARITE (very rare; sal ammoniac)	102	CALCITE (white)
51	BARITE (pinkish-white)	104	CAMEROLAITE
50	BARITE (white)	105	CANCRINITE
52	BARYTOCALCITE	107	CARPHOLITE (green)
53	BATISITE	106	CARPHOLITE (yellow)
54	BAVENITE	108	CASSITERITE

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
109	CATAPLEIITE	169	DAWSONITE (white)
110	CELESTINE (colorless)	170	DELHAYELITE
111	CELESTITE (blue)	171	DELVAUXITE
112	CERITE (Ce)	172	DENISOVITE
113	CERUSSITE	173	DEVILLITE
114	CHABASITE	174	DIADOCHITE
115	CHABASITE	176	DIASPORE (pale red)
116	CHALCANTHITE	175	DIASPORE (violet)
117	CHALCOALUMITE	180	DIOPSIDE (Fe; Al) (yellow-green)
118	CHALCOPHANITE	179	DIOPSIDE (apple green)
119	CHALCOPHYLLITE	177	DIOPSIDE (black)
120	CHALCOSIDERITE	178	DIOPSIDE (pale green)
121	CHAMOSITE	181	DIOPTASE
122	CHAPMANITE	182	DOLOMITE
123	CHAROITE	183	DRAVITE
124	CHEVKINITE	184	DRAVITE (VANADIAN) (brown)
125	CHILDRENITE	185	DRAVITE (VANADIAN) (green)
126	CHIOLITE	186	DUFRENITE (brown)
127	CHKALOVITE	187	DUFRENITE (dark green)
128	CHLORELLESTADITE	188	DUFTITE
129	CHLOROTHIONITE	189	EDINGTONITE
130	CHONDRODITE	190	EFREMOVITE
131	CHROMITE	191	ELBAITE
132	CHRYSOBERYL	192	ENSTATITE (light green)
133	CHRYSOCOLLA	193	ENSTATITE (pale brown)
134	CHURCHITE (Y)	194	EOSPHORITE
135	CLINOCLASE (dark blue)	195	EPIDOTE
136	CLINOCLASE (Gelnica, Slovakia)	196	EPISTOLITE
137	CLINOCLASE (Lubietova, Slovakia)	197	EPSOMITE
138	CLINOZOISITE	199	ERYTHRITE (pink)
139	COLEMANITE	198	ERYTHRITE (purple-red)
140	COLLINSITE	200	EUCHROITE
141	CONICALCITE	201	EUCRYPTITE
142	COOKEITE	202	EUDIALYTE
143	COPIAPITE	203	EUDIDYMIT
144	CORDIERITE	205	EULYITE (brown)
145	CORNETITE	206	EULYITE (dark yellow)
147	CORNUBITE (Gelnica, Slovakia)	204	EULYITE (dark-grey)
146	CORNUBITE (Lubietova, Slovakia)	207	EVANSITE
150	CORNWALLITE	208	FAUSTITE
149	CORNWALLITE (Gelnica, Slovakia)	209	FELSOEBANYAITE
148	CORNWALLITE (Lubietova, Slovakia)	210	FERBERITE
151	CORUNDUM (blue)	211	FERGUSONITE (Y)
152	CORUNDUM (grey)	212	FERROCOLUMBITE
153	CRANDALLITE	213	FERROSILITE
154	CREEDITE	214	FERSMANITE
155	CRISTOBALITE	215	FLUELLITE
156	CROCOITE	216	FLUORAPATITE (blue)
157	CRYOLITE	217	FLUORAPATITE (white)
158	CRYPTOHALITE	218	FRONDELITE
159	CUMENGEITE	219	GADOLINITE (Y)
160	CUPRITE	220	GARTRELLITE
161	CURITE (deep red)	221	GAYLUSSITE
162	CURITE (red)	222	GEHLENITE
163	CYANOTRICHITE	223	GIBBSITE
164	DANBURITE	224	GLAUBERITE
165	DANNEMORITE	225	GLAUCOCERINITE
166	DATOLITE (colorless)	226	GLAUCONITE
167	DATOLITE (white)	227	GMELINITE
168	DAWSONITE (colorless)	228	GODOVIKOVITE

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
229	GOETHITE (black)	289	KOECHLINITE (yellow)
230	GOETHITE (brown)	290	KOETTIGITE (pink)
231	GOSLARITE	291	KOLWEZITE (dark olive green)
232	GRIPHITE	292	KORNERUPINE (grey)
233	GROSSULAR	293	KOVDORSKITE (blue)
234	GUERINITE	294	KRAUTITE (pink)
235	GYP SUM	295	KUTNOHORITE (light pink)
236	HALLOYSITE	296	KYANITE (blue)
237	HANKSITE	297	LABRADORITE (grey)
238	HARMOTOME	298	LAMPROPHYLLITE (golden brown)
239	HAUYNE (blue)	299	LANARKITE (grey)
240	HAUYNE (blue-green)	300	LANGITE (blue)
241	HEDENBERGITE	301	LAUMONTITE (white)
242	HEDYPHANE	302	LAWSONITE (blue)
243	HEJTMANITE	303	LAZULITE
244	HELVITE	304	LAZURITE (blue)
245	HEMATITE	305	LEADHILLITE
248	HEMIMORPHITE (blue)	306	LEIFITE
246	HEMIMORPHITE (colorless)	307	LEPIDOCROCITE
247	HEMIMORPHITE (pink)	308	LETOVICITE
249	HETEROSITE	309	LEUCITE
252	HEULANDITE (dark orange)	310	LEUCOPHANITE
251	HEULANDITE (red)	311	LEUCOPHOSPHITE (greenish)
250	HEULANDITE (white)	312	LEUCOPHOSPHITE (grey)
253	HOHMANNITE	313	LIBETHENITE
254	HOLLANDITE	314	LINARITE
255	HORNBLLENDE	315	LIROCONITE
256	HUEBNERITE	316	LISKEARDITE
257	HULSITE	317	LITHIOPHORITE
258	HUMITE	318	LOMONOSOVITE (grey-brown)
260	HUREAULITE (orange)	319	LOMONOSOVITE (pale brown)
259	HUREAULITE (pink white)	320	LOPARITE- (Ce)
261	HYDROBORACITE	321	LORENZENITE (brown-black)
263	HYDROMAGNESITE (Jaklovce, Slovakia)	322	LORENZENITE (pale orange)
262	HYDROMAGNESITE (Vesuv, Italy)	323	LOVDARITE
264	HYDROWOODWARDITE	324	LOVOZERITE
265	HYDROZINCITE	325	LUDLAMITE
266	IARDERELLITE	326	LUENEBURGITE
267	ILLITE	327	MAGADITTE
268	ILMENITE	328	MAGNESITE (brown)
269	ILVAITE	330	MAGNESITE (greyish white)
270	INESITE	329	MAGNESITE (white)
271	INYOITE	331	MAGNETITE (black)
272	ISOKITE	332	MAGNIOTRIPLITE (brown)
273	JACHYMOVITE	334	MALACHITE (Gelnica, Slovakia)
274	JADEITE	335	MALACHITE (Moldava, Czech Republic)
275	JARLITE	333	MALACHITE (Roznava, Slovakia)
276	JOAQUINITE (Ce)	337	MANGANITE
277	KAATIALAITE	336	MANGAN-NEPTUNITE
278	KALIOPHILITE	338	MASCAGNITE
279	KAMIOKITE	339	MELANOPHLOGITE
281	KAOLINITE (Georgia, USA)	340	MELANOTEKITE
282	KAOLINITE (Kaznejov, Czech Republic)	341	MELILITE
280	KAOLINITE (white)	342	MELIPHANITE
283	KARNASURTITE (Ce) (yellow)	343	MELLITE
284	KASOLITE (orange)	344	MENDIPITE
285	KELDYSHITE (white)	345	MERWINITE
286	KENTROLITE (brown)	346	MESSELITE
287	KERMESITE (red)	347	META-AUTUNITE
288	KERNITE (white)	348	META-AUTUNITE

<u>No.</u>	<u>Compound Description</u>	<u>No.</u>	<u>Compound Description</u>
349	METAROSSITE	409	PECTOLITE (white)
350	METATORBERNITE	410	PECTOLITE (white)
351	MEURIGITE	411	PELLYITE
352	MEYERHOFFERITE	412	PENKVILKSITE
354	MICROCLINE (green)	413	PERCYLITE
353	MICROCLINE (white)	414	PEROVSKITE
355	MILARITE	415	PETALITE
356	MILLOSEVICHITE	416	PHARMACOSIDERITE (yellow)
357	MIMETITE	417	PHARMAKOSIDERITE (green)
358	MIMETITE (PHOSPHATIAN) (yellow)	418	PHENAKITE
359	MIMETITE (PHOSPHATIAN) (yellow)	419	PHILLIPSITE
360	MINIUM	420	PHOSGENITE
361	MIXITE (blue-green)	421	PHOSPHOPHYLLITE
362	MIXITE (green)	422	PHOSPHOSIDERITE
363	MONAZITE (Ce)	423	PICKERINGITE
364	MONOHYDROCALCITE	424	PICROPHARMACOLITE
365	MONTICELLITE	425	PLANERITE
366	MONTMORILLONITE	426	PLUMBOJAROSITE
367	MOORHOUSEITE	427	PLUMBOMICROLITE
368	MORDENITE (pink)	428	PLUMBOPYROCHLORE
369	MORDENITE (white)	429	POLLUCITE
370	MORENOSITE	430	POLYHALITE
371	MOSANDRITE (pale brown)	431	POSNJAKITE
372	MOSANDRITE (yellow-green)	432	POTASSIUM ALUM
373	MOTTRAMITE	433	POWELLITE
374	MOUNTAINITE	434	PREHNITE
376	MURMANITE (pink)	436	PREISINGERITE (partially hydrated)
375	MURMANITE (violet)	435	PREISINGERITE (quartz impurities; partially hydrated)
377	MUSCOVITE	437	PROBERTITE
378	NACRITE	438	PROSOPITE
379	NARSARSUKITE	439	PYROCHLORE
380	NATROALUNITE	440	PYROLUSITE
381	NATROJAROSITE	443	PYROMORPHITE (CALCIAN) (grey)
382	NATROLITE	444	PYROMORPHITE (CALCIAN) (yellow)
383	NENADKEVICHITE	441	PYROMORPHITE (brown)
384	NEOTOCITE	442	PYROMORPHITE (green)
385	NEPHELINE	445	PYROPHYLLITE
386	NEPTUNITE	446	QUARTZ
387	NESQUEHONITE	447	RAJITE
388	NEWBERYITE	448	RAMSDELLITE
389	NITRATINE	449	RETGERSITE
390	NITROCALCITE	450	RHODIZITE
391	NONTRONITE	451	RHODOCHROSITE (light pink)
392	NORDITE (Ce)	452	RHODOCHROSITE (pink-red)
393	NORMANDITE	453	RHODONITE
394	OKENITE	454	RICHTERITE
395	OLIGOCLASE	455	RIEBECKITE
396	OLIVENITE	456	ROCKBRIDGEITE
397	OLIVINE	457	ROSASITE
399	OPAL (brown)	458	ROSELITE
398	OPAL (colorless)	459	RUTILE
401	ORTHOCLASE (brown-grey)	460	SAINFELDITE
400	ORTHOCLASE (colorless)	461	SAL AMMONIAC
402	OTAVITE	462	SAPPHIRINE
403	PALYGORSKITE	463	SASSOLITE
404	PARAKELDYSHITE	465	SCAPOLITE (blue)
405	PARAUMBITE	464	SCAPOLITE (white)
406	PARISITE (Ce)	466	SHEELITE
407	PARNAUITE	467	SCHORL
408	PAULINGITE	468	SCHORLOMITE

<u>No.</u>	<u>Compound Description</u>
469	SCHULTENITE
470	SCOLECITE
472	SCORODITE (apple green)
471	SCORODITE (brown)
473	SCORODITE (dark green)
474	SCORZALITE
475	SEKANINAITE
476	SELLAITE
477	SEPIOLITE
478	SERANDITE
479	SERPIERITE
480	SHATTUCKITE
481	SHUISKITE
482	SIDERITE
483	SIDEROTIL
484	SIDORENKITE
485	SILLIMANITE
486	SKLODOWSKITE
487	SLAVIKITE
488	SMITHSONITE (green)
490	SMITHSONITE (pale green)
489	SMITHSONITE (pink)
491	SMITHSONITE (white)
493	SODALITE (blue)
492	SODALITE (colorless)
494	SODDYITE
495	SPENCERITE
496	SPESSARTINE
497	SPINEL
499	SPODUMENE (pink)
498	SPODUMENE (white)
500	SREBRODOLSKITE
501	STARKEYITE
502	STAUROLITE
503	STEENSTRUPINE (Ce)
504	STIBICONITE
505	STILBITE
506	STOLZITE
507	STRASHIMIRITE
508	STRENGITE (bluish-grey)
509	STRENGITE (pink)
511	STRONTIANITE (white)
510	STRONTIANITE (yellowish)
512	STRUNZITE
513	STRUVITE
514	SURSASSITE
515	SUSSEXITE
516	TACHYHYDRITE
517	TADZHIKITE (Ce)
518	TALC
519	TAMARUGITE
520	TARBUTTITE
521	TAVORITE
522	TEPHROITE
523	TERSKITE
524	TETRAROOSEVELTITE
525	THAUMASITE
526	THENARDITE
527	THOMSENOLITE
529	THOMSONITE (Old Kilpatrick, United Kingdom)

<u>No.</u>	<u>Compound Description</u>
528	THOMSONITE (Vinarice, Czech Republic)
530	THORITE
531	THORTVEITITE
532	TITANITE
533	TOBERMORITE
534	TOPAZ (light green)
535	TOPAZ (yellow)
536	TREMOLITE
537	TRIDYMIT
538	TRIPHYLITE
539	TRIPLITE
540	TRIPLOIDITE
541	TRONA
542	TSCHERMIGITE (colorless)
543	TSCHERMIGITE (white)
544	TSUMEBITE
545	TUGTUPITE
546	TUNGSTITE
547	TURQUOISE
548	TYROLITE
549	URANINITE
550	URANOPHANE
551	URANOPILITE
552	USSINGITE
553	UVAROVITE
554	VALENTINITE
555	VANADINITE (brown)
556	VANADINITE (red)
557	VANTHOFFITE
558	VARISCITE
559	VAUQUELINITE (greenish-black)
560	VAUQUELINITE (yellow)
561	VERSILIAITE (black)
562	VESIGNIEITE
563	VESUVIANITE
564	VINOGRADOVITE (violet-grey)
565	VINOGRADOVITE (white)
566	VIVIANITE
567	VOLBORTHITE (green)
568	VOLBORTHITE (yellow green)
569	VUONNEMITE
571	WADEITE (pale violet)
570	WADEITE (violet)
572	WAGNERITE
573	WALPURGITE
574	WARDITE
575	WAVELLITE (green)
576	WAVELLITE (grey)
577	WELLSITE
578	WHEWELLITE
579	WILLEMITE
581	WITHERITE (Cumberland, United Kingdom)
580	WITHERITE (Neubung, Germany)
582	WOEHLERITE
583	WOLLASTONITE
584	WULFENITE (creamy grey)
586	WULFENITE (orange)
585	WULFENITE (yellow)
587	YOFORTIERITE
588	YUKSPORITE

No.      Compound Description

589    ZANAZZITE  
590    ZEUNERITE  
591    ZINCITE  
592    ZINCOCOPIAPITE  
593    ZIRCON (brown)  
594    ZIRCON (brown)

No.      Compound Description

596    ZOISITE (grey)  
595    ZOISITE (pink red)  
597    ZORITE  
598    ZUNYITE  
599    ZWIESELITE  
600    ZYKAITE