

Table of Wavenumbers - Manganese Oxides<sup>1</sup>

Mineral <sup>2</sup>	band #	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Pyrolonite		335-340	390-400	535-615	630-670	705-735									
		270	377	476	523	597									
Ramsdellite		375-390	476	515-530	565-590	695-730									
		310-312	~470	523-531	570-583	706-713									
Bannochite group		265-269	320-325	403-404	435-440	468-475	531-535	603	720-723	1607-1615	3467-70	3526-31			
		319	344	437	474	496	530	591	622	688	805	1635	3335	3369	~3570
Chalcophanite		427	474	544	605	~631	723	753	910	1015	~1100	3431			
		246	330-360	420-460	485-525	555-575	620-640	740-755	1631-1645	3352	3385-3435	3545-50			
Lithiophorite		359-362	411-414	475-477	509-510	633									
		243	305-310	379-388	429-441	457-459	488	508-518	549-554	590	617-635	748-763	1593-1601	1642-49	1685-87
Bismutite		425-456	494-506	623-633	670-681	1643-54	band #15	16	17	18					
							3200-25	3378-97	3546-76	3496-3502					

List of band positions

Bromite	221, 246, 278, 312, 374, ~411, 444, 477, 515, 550, 611, ~660, 709, 848
Greusite	293, 325, 356, 497, 579, ~613, 995, 1027, 1931, 2013, ~2175, 2190, 2495, 2825, 3000
Bucconite	246, 331, 514, ~592, 617
Manganite	346, 370, 445, 487, 594, 613, 627, 730, 1087, 1119, 1149, 2068, 2465, ~3400, ~3925
Manganosite	313, ~466, ~456
Marschite	214, 225, 245, 288, 341, ~377, ~400, 449, ~503, 546, 648, 669
Fertridgite	213, ~251, ~270, 289, ~335, 393, ~436, ~494, 519, 570, ~604, ~671
Quenselite	~238, 266, 297, 321, ~336, 391, 496, 591, 652, 836, 1046, ~3080

1. The range of variation among samples is recorded. All values are corrected for instrument error using water vapor lines as standards. All samples run on TMR pellets. Units are cm<sup>-1</sup>.

2. Both natural minerals and synthetic analogues are included in this table.