

Table of Wavenumbers - Manganese Oxides¹

Mineral ²	band #	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Pyrolusite		335-340	390-400	535-615	630-670	705-735									
	Ammodolite	270	377	476	523	597	592	~750	1640	3335	3369	~3520			
Muscovite		375-380	476	515-530	565-590	695-730									
	Molluscite	310-312	~470	523-531	570-583	706-713									
Bannochite		265-269	320-325	403-404	435-440	468-475	531-535	603	720-723	1607-1615	3467-70	3526-31			
	Chalcophanite	319	344	437	474	496	530	591	622	688	805	1835	3315-16	3400	
Lithiophorite		427	474	544	605	~631	723	753	910	1015	~1100	3431			
	Birnessite	246	330-360	420-460	485-525	555-575	620-660	740-755	1631-1645	3352	3385-3435	3545-50	(much variation in H ₂ O region)		
Buserite		359-362	411-414	475-477	509-510	623									
	Todorokite	263	305-310	379-388	429-441	457-459	488	508-518	549-554	590	617-635	748-763	1593-1601	1642-49	1685-87
Bancroite		425-456	494-506	623-633	670-681	1643-54	3200-25	3378-97	3546-76	3496-3502					
						band #15	2285	3161-86	3360-90						

List of band positions

Bromite	221, 246, 278, 312, 374, ~411, 444, 477, 515, 550, 611, ~660, 709, 948
Greusite	293, 325, 358, 497, 579, ~613, 995, 1027, 1931, 2013, ~2175, 2190, 2695, 2825, 3000
Buserite	246, 351, 514, ~592, 617
Manganite	346, 370, 445, 487, 594, 613, 627, 730, 1087, 1119, 1149, 2068, 2665, ~3400, ~3525
Manganoite	313, ~466, ~458
Marschite	214, 225, 245, 288, 341, ~377, ~400, 469, ~503, 586, 648, 669
Fertridgite	213, ~251, ~270, 289, ~335, 393, ~438, ~494, 519, 570, ~604, ~671
Quenselite	~238, 266, 297, 321, ~338, 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 as TlBr pellets. Units are cm⁻¹.

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