

FT Raman Spectra Band Positions

File Name	Metal	Ion	Stongest Band (cm-1) in Bold							
ag2so4	Silver	Sulphate	<b>969</b>							
agno2	Silver	Nitrite	<b>1045</b>	847						
agno3	Silver	Nitrate	<b>1046</b>							
alsio2oh	Aluminium	Silicate Hydroxide (Kaolin), Rotator	912	791	752	705	<b>473</b>	430	338	276
ban2o6	Barium	Nitrate	<b>1048</b>	733						
bas2o3	Barium	Thiosulphate	1004	687	<b>466</b>	354				
baso4	Barium	Sulphate	<b>988</b>	462						
bin03	Bismuth	Nitrate	<b>1037</b>							
bso4b	Barium	Sulphate	<b>988</b>	462						
c	Diamond		<b>1331</b>							
caco3	calcium	carbonate	<b>1087</b>	713	282					
caoh2	calcium	hydroxide	1086	<b>358</b>						
casio3	Calcium	Silicate	<b>983</b>	578	373					
caso4	Calcium	Sulphate	1129	<b>1017</b>	676	628	609	500		
caso4	Calcium	Sulphate (Dihydrate)	1135	<b>1009</b>	669	629	491	415		
cshco3	Caesium	Hydrogen carbonate	<b>1012</b>	671	634					
cuo	Cupric	Oxide	<b>296</b>							
fen033	iron(3)	nitrate (9h20)	<b>1046</b>							
h2nco2nh	Ammonium	Carbamate	<b>1039</b>							
k2co3	Potassium	Carbonate (99.995%)	<b>1062</b>	687						
k2cr2o7	Potassium	Dichromate	<b>909</b>	571	387	235				
k2hpo4	Di Potassium	Hydrogen orthophosphate trihydrate	1048	<b>950</b>	879	556				
k2s2o3	Potassium	Thiosulphate hydrate	1164	1000	667	<b>446</b>	347			
k2s2o8	Potassium	Persulphate	1292	<b>1082</b>	814					
k2so3	Potassium	Sulphite	<b>988</b>	627	482					
k2so4	Potassium	Sulphate	1146	<b>984</b>	618	453				
k2tio2c2	Potassium	Titanium Oxalate	1751	1386	1252	850	<b>530</b>	425	352	300
k2tioc2h	Potassium	Titanium Oxalate (2h2o)	1751	1384	1253	851	<b>526</b>	417	353	299
khco3	Potassium	Hydrogen carbonate	1281	<b>1030</b>	677	636	193			
khso4	Potassium	Hydrogen Sulphate	1101	<b>1027</b>	855	581	412	327		
kio3	Potassium	Iodate	<b>754</b>							
kno2	Potassium	Nitrite	1322	<b>806</b>						
kno3	Potassium	Nitrate	<b>1051</b>	716						
lano3	Lanthanum	nitrate	<b>1046</b>	739						
li2sio3	Lithium	Silicate	<b>601</b>							
lino3	Lithium	Nitrate	<b>1384</b>	<b>1070</b>	735	237				
lioh	Lithium	hydroxide, monohydrate	1090	839	517	397	<b>213</b>			
mgclo42	Magnesium	Perchlorate + aq	<b>964</b>	643	456					
mgno32	Magnesium	Nitrate (6h2o)	<b>1060</b>							

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mgo4sio3	Magnesium	Silicate Hydrrous (Talc), Rotator	677	362	<b>195</b>				
mgs2o3	Magnesium	Thiosulphate Hexahydrate	1165	1000	659	<b>439</b>			
mgso4	Magnesium	Sulphate	<b>984</b>						
na2co3	Sodium	Carbonate (anhydrous)	<b>1069</b>						
na2co3a	Sodium	Carbonate Monohydrate	<b>1070</b>						
na2cr2o7	Sodium	Dichromate (2h2o)	<b>908</b>	371	236				
na2fecn5	Sodium	Nitroprusside (2h2o)	2174	1946	1068	656	<b>471</b>		
na2s2o4	Sodium	Thiosulphate pentahydrate	1018	<b>434</b>					
na2s2o5	Sodium	Metabisulphite	<b>1064</b>	660	433	275			
na2s2o8	Sodium	Persulphate	1294	<b>1089</b>	853				
na2so3	Sodium	Sulphite	<b>987</b>	950	639	497			
na2so4	Sodium	Sulphate (anhydrous)	<b>993</b>						
naco3	<i>Sodium</i>	<i>Carbonate (Anhydrous)</i>	<b>1080</b>	701					
naco3ar	<i>Sodium</i>	<i>Carbonate AR</i>	1607	<b>1080</b>	1062				
nahco3	Sodium	Hydriogen Carbonate	1269	<b>1046</b>	686				
nahso4	Sodium	Hydrogen Sulphate	<b>1065</b>	1004	868	601			
nahso4h2	Sodium	Hydrogen Sulphate Monohydrate	<b>1039</b>	857	603	412			
nano2	Sodium	Nitrite	<b>1327</b>	828					
nano3	Sodium	Nitrate	1386	<b>1068</b>	725	193			
naoh	Sodium	Hydroxide	<b>205</b>						
napo312	Sodium	hexametaphosphate	<b>1162</b>						
napo4	Sodium	Phosphate	<b>938</b>						
nh2ohhcl	Ammonium	Hydroxy chloride	1495	<b>1001</b>					
nh42fes	Ammonium	Ferrous Sulphate (6h2o)	<b>982</b>	613	453				
nh42hpo4	Di-Ammonium	Hydrogen Orthophosphate	<b>948</b>						
nh42s2o8	Ammonium	Persulphate	<b>1072</b>	805					
nh42so4	Ammonium	Sulphate	<b>975</b>						
nh4co3	<i>Ammonium</i>	<i>Carbonate</i>	<b>1044</b>						
nh4h2po4	Ammonium	Dihydrogen orthophosphate	<b>925</b>						
nh4hco3	Ammonium	Hydrogen carbonate	<b>1045</b>						
pbco3	Lead (2)	Carbonate	1479	1365	<b>1055</b>				
s	Sulphur		471	<b>216</b>	151				
srco3	Strontium	Carbonate	<b>1072</b>						
tio2	<i>Titanium</i>	<i>Dioxide (Anatase)</i>	<b>639</b>	516	398				
tio2	<i>Titanium</i>	<i>Dioxide (Rutile)</i>	610	<b>448</b>	237				
zno	Zinc	Oxide	<b>438</b>						
zns04	Zinc	Sulphate heptahydrate	<b>985</b>						
zrsio4	Zirconium	Silicate	3019	<b>2821</b>	2662	1004	438	355	197