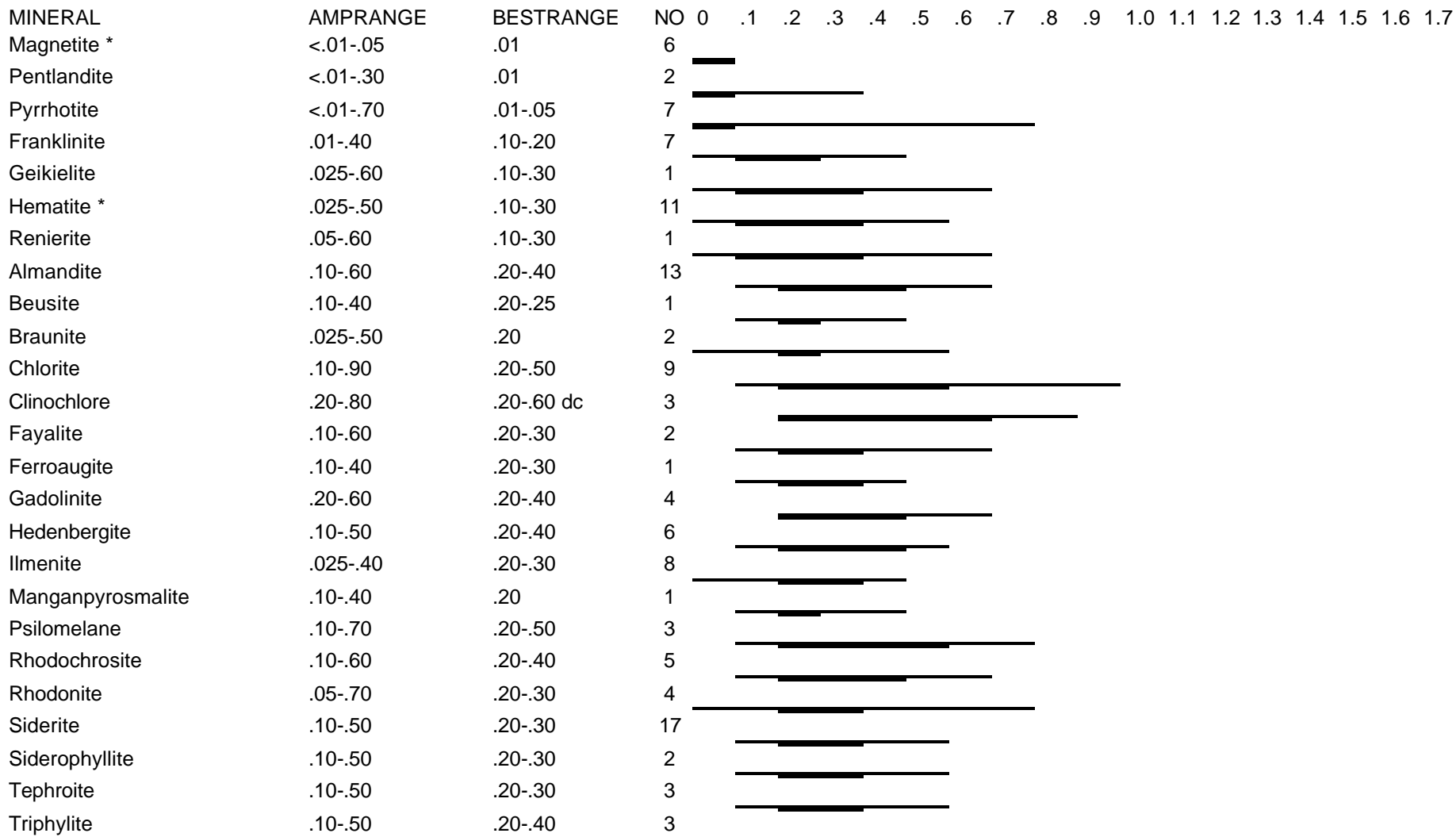


Figure 1. Magnetic susceptibilities of minerals (in order of best extraction range) [dc=depends on chemistry; * indicates often locked with other species]



MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Triplite	.10-.60	.20-.50	4		█	█	█	█	█	█	█	█										
Violarite	.01-.80	.20-.30	1	█																		
Vivianite	.10-.50	.20-.30	3		█	█	█	█	█	█	█	█	█									
Vonsenite	<.01-.60	.20-.30	3	█																		
Zwieselite	.10-.40	.20-.30	1		█	█	█	█	█	█	█	█	█									
Acmite [=aegirine]	.10-.60	.30-.40	5		█	█	█	█	█	█	█	█	█									
Acmite-augite	.10-.60	.30-.40	3		█	█	█	█	█	█	█	█	█									
Andradite	.10-.80	.30-.50	9		█	█	█	█	█	█	█	█	█	█								
Annite	.10-.50	.30-.40	2		█	█	█	█	█	█	█	█	█									
Astrophyllite	.10-.50	.30-.40	3		█	█	█	█	█	█	█	█	█									
Babingtonite	.30-.40	.30-.40	1				█	█	█	█	█	█	█									
Biotite	.20-1.20	.30-.80 dc	18		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Bustamite	.10-.50	.30-.40	2		█	█	█	█	█	█	█	█	█									
Chamosite	.10-.80	.30	2		█	█	█	█	█	█	█	█	█									
Chloritoid	.20-.50	.30-.40	3		█	█	█	█	█	█	█	█	█									
Chromite	.05-.50	.30-.40	9	█																		
Clinohypersthene	.10-.70	.30-.40	1		█	█	█	█	█	█	█	█	█									
Cummingtonite	.10-.50	.30	1		█	█	█	█	█	█	█	█	█									
Davidite	.10-.60	.30-.50	3		█	█	█	█	█	█	█	█	█									
Ferrisicklerite	.20-.60	.30-.40	3		█	█	█	█	█	█	█	█	█									
Frondelite	.20-.50	.30-.40	1		█	█	█	█	█	█	█	█	█									
Griphite	.20-.50	.30	1		█	█	█	█	█	█	█	█	█									
Grunerite	.20-.70	.30-.60	2		█	█	█	█	█	█	█	█	█									
Hardystonite	.20-.50	.30	2		█	█	█	█	█	█	█	█	█									
Hausmannite	.10-.60	.30-.40	2		█	█	█	█	█	█	█	█	█									
Helvite	.10-.50	.30-.40	3		█	█	█	█	█	█	█	█	█									
Hercynite	.10-.50	.30-.40	2		█	█	█	█	█	█	█	█	█									
Heterosite	.20-.80	.30-.40	3		█	█	█	█	█	█	█	█	█									

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Hornblende	.10-.90	.30-.60	12	[Horizontal bar from 0.1 to 0.9]																		
Huebnerite	.20-.60	.30-.40	5	[Horizontal bar from 0.2 to 0.6]																		
Ilvaite	.10-.50	.30	5	[Horizontal bar from 0.1 to 0.5]																		
Inesite	.10-.60	.30	1	[Horizontal bar from 0.1 to 0.6]																		
Jeffersonite	.10-.50	.30-.40	3	[Horizontal bar from 0.1 to 0.5]																		
Johannsenite	.20-.50	.30-.40	7	[Horizontal bar from 0.2 to 0.5]																		
Manganotantalite	.10-.70	.30-.50	2	[Horizontal bar from 0.1 to 0.7]																		
Melanterite	.20-.50	.30	1	[Horizontal bar from 0.2 to 0.5]																		
Metavivianite	.10-.40	.30	1	[Horizontal bar from 0.1 to 0.4]																		
Purpurite	.10-.60	.30-.40	2	[Horizontal bar from 0.1 to 0.6]																		
Samarskite	.10-.80	.30-.60	5	[Horizontal bar from 0.1 to 0.8]																		
Scorodite	.10-.50	.30	1	[Horizontal bar from 0.1 to 0.5]																		
Spessartite	.10-.40	.30	5	[Horizontal bar from 0.1 to 0.4]																		
Strengite	.10-.50	.30	1	[Horizontal bar from 0.1 to 0.5]																		
Tantalite	.10-.70	.30-.50	3	[Horizontal bar from 0.1 to 0.7]																		
Triploidite	.20-.50	.30-.40	1	[Horizontal bar from 0.2 to 0.5]																		
Willemite	.10->1.70	.30-1.10 dc	7	[Horizontal bar from 0.1 to 1.7]																		
Actinolite	.30-.90	.40-.80 dc	8	[Horizontal bar from 0.3 to 0.9]																		
Allanite	.20-.80	.40-.50	7	[Horizontal bar from 0.2 to 0.8]																		
Ankerite	.30-.70	.40-.50	1	[Horizontal bar from 0.3 to 0.7]																		
Augite	.20-1.30	.40-.90 dc	4	[Horizontal bar from 0.2 to 1.3]																		
Barrandite	.30-.60	.40	1	[Horizontal bar from 0.3 to 0.6]																		
Britholite-(Y)	.20-.50	.40	1	[Horizontal bar from 0.2 to 0.5]																		
Chevkinite	.10-.60	.40-.50	1	[Horizontal bar from 0.1 to 0.6]																		
Cryptomelane	.30-.60	.40	1	[Horizontal bar from 0.3 to 0.6]																		
Diopside	.30-.80	.40-.60	4	[Horizontal bar from 0.3 to 0.8]																		
Edenite	.20-.90	.40-.80 dc	2	[Horizontal bar from 0.2 to 0.9]																		
Epidote	.30-1.00	.40-.70	10	[Horizontal bar from 0.3 to 1.0]																		

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Ferberite	.20-.50	.40	4																			
Fergusonite	.30-.80	.40-.60	4																			
Ferrimolybdite	.10-.80	.40-.50	2																			
Ferrodolomite	.20-1.30	.40-1.10 dc	8																			
Ferromanganocolumbite	.10-.70	.40-.50	13																			
Gahnite	.20-.70	.40-.50	2																			
Glauconite	.20-.60	.40	3																			
Goethite	.20-.70	.40-.50	6																			
Hydrohetaerolite	.20-.60	.40	1																			
Hypersthene	.20-.60	.40	3																			
Jarosite	.20-.60	.40-.50	3																			
Kimzeyite	.10-.90	.40-.50	1																			
Lithiophorite	.10-.60	.40	1																			
Manganite	.20-.90	.40-.60	4																			
Nepouite	.20-.70	.40-.50	1																			
Plumbojarosite	.30-1.00	.40-.60	1																			
Prochlorite	.30-.80	.40-.60	3																			
Pyrolusite	.10-.70	.40-.50	5																			
Schorlite	.20-.80	.40-.60	7																			
Tapiolite	.30-.80	.40-.60	2																			
Wolframite	.10-.60	.40-.50	4																			
Wurtzite	.30->1.70	.40->1.70 dc	4																			
Xenotime	.30-.70	.40-.50	3																			
Zinnwaldite	.30-.70	.40-.50	3																			
Azurite	.20-1.00	.50-.70	3																			
Chrysolite (Fo88)	.30-.70	.50	1																			
Clinozoisite	.30-1.30	.50-1.00 dc	7																			
Euxenite	.10-.90	.50-.60	4																			

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Forsterite	.40-1.20	.50-1.00 dc	5																			
Glaucophane	.30-.70	.50-.60	1																			
Ilmenorutile	.30-.80	.50-.60	1																			
Ilsemanite	.40-.90	.50-.70	1																			
Jenkinsite	.20-.70	.50	1																			
Jordisite	.30->1.70	.50-1.00 dc	2																			
Kentrolite	.30-.70	.50	1																			
Monazite	.30-1.00	.50-.80	8																			
Piedmontite	.20-.70	.50-.60	2																			
Pigeonite	.10-1.00	.50-.60	1																			
Pitchblende	.40-1.00	.50-.90 dc	2																			
Polycrase	.10-.80	.50-.60	1																			
Pyrope	.20-.80	.50-.60	3																			
Spinel	.10-1.10	.50-1.00 dc	3																			
Stannite	.30-1.00	.50-.70	3																			
Staurolite	.10-.90	.50-.60	6																			
Stichtite	.30-.90	.50-.70	2																			
Uraninite	.20->1.70	.50->1.70 dc	4																			
Zincite	.10->1.70	.50->1.70 dc	4																			
Amorphous Mn oxide	.20-.90	.60-.80	2																			
Anthophyllite	.50->1.70	.60-1.20 dc	5																			
Antlerite	.40-.90	.60-.70	1																			
Atacamite	.40-1.00	.60-.80	4																			
Bornite	.30-1.10	.60-.90	4																			
Brochantite	.40-.90	.60-.80	3																			
Cerite	.30-1.00	.60-.70	5																			
Chondrodite	.30-.90	.60-.70	1																			
Dravite	.60-1.00	.60-.70	1																			

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
Enstatite-(Fe)	.10-1.00	.60-.80	4		█	█	█	█	█	█	█	█	█	█							
Ferroaxinite	.40-.70	.60	1					█	█	█	█	█	█								
Ferrosalite	.10-.90	.60-.80	1		█	█	█	█	█	█	█	█	█	█							
Fluocerite-(La)	.40-.90	.60-.70	1					█	█	█	█	█	█								
Grossularite	.30-1.20	.60-.90	3					█	█	█	█	█	█	█	█	█	█	█	█	█	█
Humite	.50-.90	.60-.70	1						█	█	█	█	█								
Malachite	.20-1.40	.60-.80	7						█	█	█	█	█	█	█	█	█	█	█	█	█
Marcasite	.30->1.70	.60-1.00 dc	2						█	█	█	█	█	█	█	█	█	█	█	█	█
Montroseite	.40-1.10	.60-.80	1						█	█	█	█	█	█	█	█	█	█	█	█	█
Muscovite-(Fe)	.30-1.00	.60	2						█	█	█	█	█	█	█	█	█	█	█	█	█
Ningyoite	.30-.90	.60	1						█	█	█	█	█	█	█	█	█	█	█	█	█
Picrophengite	.30-1.00	.60-.70	1						█	█	█	█	█	█	█	█	█	█	█	█	█
Prehnite	.40->1.70	.60->1.70 dc	3						█	█	█	█	█	█	█	█	█	█	█	█	█
Sericite	.50-.90	.60-.70	1						█	█	█	█	█	█	█	█	█	█	█	█	█
Sphalerite-(Fe)	.20-1.20	.60-1.00 dc	6						█	█	█	█	█	█	█	█	█	█	█	█	█
Uvite	.20-1.20	.60-.90	3						█	█	█	█	█	█	█	█	█	█	█	█	█
Aeschynite	.50-1.0	.70-.80	2						█	█	█	█	█	█	█	█	█	█	█	█	█
Analcite	.10->1.70	.70-1.20 dc	1						█	█	█	█	█	█	█	█	█	█	█	█	█
Bastnaesite	.50-1.00	.70-.90	4						█	█	█	█	█	█	█	█	█	█	█	█	█
Betafite	.40-1.10	.70-.90	1						█	█	█	█	█	█	█	█	█	█	█	█	█
Chalcopyrite	.30-1.70	.70-1.30 dc	8						█	█	█	█	█	█	█	█	█	█	█	█	█
Cyrtolite	.30->1.70	.70->1.70 dc	8						█	█	█	█	█	█	█	█	█	█	█	█	█
Diopase	.40-1.10	.70-.80	3						█	█	█	█	█	█	█	█	█	█	█	█	█
Huanghoite	.50-1.00	.70-.80	1						█	█	█	█	█	█	█	█	█	█	█	█	█
Monticellite	.50-1.10	.70-.90	1						█	█	█	█	█	█	█	█	█	█	█	█	█
Muscovite	.30-1.40	.70-1.30 dc	9						█	█	█	█	█	█	█	█	█	█	█	█	█
Parisite	.50-.90	.70	1						█	█	█	█	█	█	█	█	█	█	█	█	█
Shattuckite	.40-1.10	.70-.90	1						█	█	█	█	█	█	█	█	█	█	█	█	█

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
Thorite	.40-1.30	.70-1.00	2																		
Vesuvianite	.30->1.70	.70-1.10 dc	7																		
Bentonite	.50-1.30	.80-1.00	2																		
Brannerite (metamict)	.70-1.20	.80-1.00	1																		
Chalcanthite	.60-1.20	.80-1.00	3																		
Chrysoberyl	.60-1.20	.80-1.00	2																		
Chrysocolla	.50-1.30	.80-1.00	4																		
Conichalcite	.60-1.70	.80-1.00	1																		
Diopside-(Cr)	.40->1.70	.80-1.70 dc	2																		
Elbaite (blue-green)	.50-1.70	.80-1.70 dc	3																		
Freirinite	.50-1.10	.80-.90	1																		
Illite	.60-1.10	.80-.90	1																		
Mawsonite	.40-1.30	.80-1.10	1																		
Melilite	.60->1.70	.80-.90	1																		
Nephrite [=actinolite]	.30-1.20	.80-.90	1																		
Olivenite	.60-1.10	.80-.90	2																		
Pumpellyite	.50-1.10	.80-.90	1																		
Rosasite	.50-1.10	.80-1.00	1																		
Thortveitite	.60-1.00	.80-.90	1																		
Titanite [=sphene]	.70->1.70	.80->1.70 dc	4																		
Tremolite-actinolite	.50-1.30	.80-1.20 dc	5																		
Antigorite	.50->1.70	.90->1.70 dc	6																		
Calcite-(Mn)	.50-1.70	.90-1.10	1																		
Jamesonite	.60-1.30	.90-1.00	1																		
Malacon	.10->1.70	.9->1.70 dc	9																		
Muscovite-(Li)	.80->1.70	.90->1.70 dc	5																		
Pyrochlore	.10->1.70	.9->1.70 dc	2																		
Saleeite	.80-1.30	.90-1.10	1																		

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
Woehlerite	.40-1.40	.90-1.10	1																		
Crandallite	.60-1.40	1.00-1.10	1																		
Freibergite	.80->1.70	1.00->1.70 dc	4																		
Linarite	.70->1.70	1.00-1.20	2																		
Paragonite	.10->1.70	1.00-1.30	1																		
Teallite	.50->1.70	1.00-1.30	1																		
Goslarite	.90->1.70	1.10-1.20	1																		
Gunningite	.90->1.70	1.10-1.20	1																		
Johannite	.50->1.70	1.10-1.40	2																		
Zoisite	.60->1.70	1.10->1.70 dc	6																		
Hexahydrate	.50->1.70	1.20	1																		
Enstatite	1.00->1.70	1.30-1.50	1																		
Talc	1.00->1.70	1.30->1.70 dc	4																		
Dravite (brown)	.80->1.70	1.40-1.50	1																		
Sapphirine	.80->1.70	1.40->1.70	2																		
Abernathyite	>1.70	>1.70	1																		
Albite	>1.70	>1.70	1																		
Alunite	>1.70	>1.70	1																		
Amazonite	>1.70	>1.70	1																		
Amblygonite	>1.70	>1.70	3																		
Anatase	>1.70	>1.70	1																		
Andalusite	>1.70	>1.70	2																		
Anhydrite	>1.70	>1.70	2																		
Apatite	1.40->1.70	>1.70	8																		
Apophyllite	>1.70	>1.70	1																		
Aragonite	>1.70	>1.70	2																		
Arsenopyrite	1.00->1.70	>1.70	3																		
Baddeleyite	>1.70	>1.70	4																		

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Barite	>1.70	>1.70	6																			█
Benitoite	>1.70	>1.70	1																			█
Beryl	>1.70	>1.70	6																			█
Bismuth	>1.70	>1.70	1																			█
Bismuthinite	>1.70	>1.70	2																			█
Bismutite	>1.70	>1.70	3																			█
Boulangerite	>1.70	>1.70	5																			█
Bournonite	>1.70	>1.70	4																			█
Breithauptite	>1.70	>1.70	2																			█
Brookite	.70->1.70	>1.70	2								█	█	█	█	█	█	█	█	█	█	█	█
Calaverite	>1.70	>1.70	4								█	█	█	█	█	█	█	█	█	█	█	█
Calcite	>1.70	>1.70	8																			█
Calomel	>1.70	>1.70	1																			█
Carbon [coal]	>1.70	>1.70	1																			█
Cassiterite	>1.70	>1.70	6																			█
Celestite	>1.70	>1.70	3																			█
Cerargyrite	>1.70	>1.70	3																			█
Cerussite	>1.70	>1.70	3																			█
Chalcocite	>1.70	>1.70	3																			█
Chalcotrichite	>1.70	>1.70	1																			█
Cinnabar	>1.70	>1.70	4																			█
Clinoptilolite	>1.70	>1.70	1																			█
Clinosafflorite	.30->1.70	>1.70	1				█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Cobaltite	>1.70	>1.70	1																			█
Colemanite	>1.70	>1.70	2																			█
Colusite	.50->1.70	>1.70	1								█	█	█	█	█	█	█	█	█	█	█	█
Corundum	>1.70	>1.70	3																			█
Covellite	.80->1.70	>1.70	2																			█

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Datolite	>1.70	>1.70	1																			█
Descloizite	>1.70	>1.70	1																			█
Digenite	1.00->1.70	>1.70	2											█	█	█	█	█	█	█	█	█
Dolomite	>1.70	>1.70	4											█	█	█	█	█	█	█	█	█
Domeykite	>1.70	>1.70	1																			█
Dumortierite	>1.70	>1.70	2																			█
Elbaite (pinkish to red)	>1.70	>1.70	9																			█
Empressite	>1.70	>1.70	1																			█
Enargite	>1.70	>1.70	3																			█
Fluorite	.90->1.70	>1.70	5											█	█	█	█	█	█	█	█	█
Galena	>1.70	>1.70	9											█	█	█	█	█	█	█	█	█
Gaylussite	>1.70	>1.70	1																			█
Gersdorffite	>1.70	>1.70	1																			█
Gmelinite	>1.70	>1.70	1																			█
Gold	>1.70	>1.70	4																			█
Gorceixite-goyazite	>1.70	>1.70	1																			█
Graphite	.50->1.70	>1.70	2																			█
Greenockite	>1.70	>1.70	1							█	█	█	█	█	█	█	█	█	█	█	█	█
Gypsum	>1.70	>1.70	4																			█
Halite	>1.70	>1.70	2																			█
Halloysite	>1.70	>1.70	2																			█
Halotrichite	>1.70	>1.70	1																			█
Hanksite	>1.70	>1.70	1																			█
Harmotome	>1.70	>1.70	1																			█
Hauyne	1.00->1.70	>1.70	1											█	█	█	█	█	█	█	█	█
Hectorite	>1.70	>1.70	1																			█
Hemimorphite	>1.70	>1.70	4																			█
Heulandite	>1.70	>1.70	2																			█

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Hewittite	.40->1.70	>1.70	1																			
Hexagonite	1.20->1.70	>1.70	1																			
Howlite	>1.70	>1.70	1																			
Hydrozincite	>1.70	>1.70	1																			
Kaolinite	>1.70	>1.70	1																			
Kleinite	>1.70	>1.70	1																			
Krennerite	>1.70	>1.70	1																			
Kyanite	>1.70	>1.70	2																			
Labradorite	>1.70	>1.70	1																			
Langbeinite	>1.70	>1.70	1																			
Lazurite [=hauyne-(S)]	>1.70	>1.70	3																			
Lepidolite	>1.70	>1.70	3																			
Liebigite	.50->1.70	>1.70	1																			
Livingstonite	>1.70	>1.70	1																			
Loellingite	>1.70	>1.70	3																			
Magadiite	>1.70	>1.70	1																			
Magnesite	>1.70	>1.70	2																			
Mansfieldite	.30->1.70	>1.70	1																			
Melonite	>1.70	>1.70	1																			
Mesolite	>1.70	>1.70	1																			
Meta-autunite	>1.70	>1.70	1																			
Metacinnabar	.30->1.70	>1.70	1																			
Metatorbernite	1.10->1.70	>1.70	1																			
Metavariscite	>1.70	>1.70	1																			
Microcline	>1.70	>1.70	4																			
Microlite	.50->1.70	>1.70	2																			
Mimetite	>1.70	>1.70	2																			
Molybdenite	>1.70	>1.70	4																			

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Montroydite	>1.70	>1.70	1																			
Mosesite	>1.70	>1.70	1																			█
Muscovite-(Cr)	>1.70	>1.70	1																			█
Nahcolite	>1.70	>1.70	2																			█
Natrolite	>1.70	>1.70	2																			█
Niccolite	>1.70	>1.70	6																			█
Oligoclase	.50->1.70	>1.70	1																			█
Orpiment	>1.70	>1.70	1							█	█	█	█	█	█	█	█	█	█	█	█	█
Orthoclase	>1.70	>1.70	2																			█
Patronite	.50->1.70	>1.70	1																			█
Pearceite	>1.70	>1.70	1							█	█	█	█	█	█	█	█	█	█	█	█	█
Pectolite	>1.70	>1.70	2																			█
Perovskite	>1.70	>1.70	3																			█
Perthite	>1.70	>1.70	2																			█
Petalite	>1.70	>1.70	1																			█
Petzite	>1.70	>1.70	2																			█
Phosgenite	>1.70	>1.70	2																			█
Picromerite	>1.70	>1.70	1																			█
Pollucite	>1.70	>1.70	1																			█
Polyhalite	>1.70	>1.70	1																			█
Proustite	>1.70	>1.70	1																			█
Pyrargyrite	>1.70	>1.70	2																			█
Pyrite *	>1.70	>1.70	9																			█
Pyromorphite	>1.70	>1.70	3																			█
Pyrophyllite	>1.70	>1.70	2																			█
Quartz *	>1.70	>1.70	10																			█
Realgar	>1.70	>1.70	3																			█
Rutile	.80->1.70	>1.70	10																			█

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Safflorite	>1.70	>1.70	1																			█
Sanidine	>1.70	>1.70	2																			█
Scapolite	>1.70	>1.70	2																			█
Scheelite	>1.70	>1.70	4																			█
Searlesite	>1.70	>1.70	1																			█
Shortite	>1.70	>1.70	2																			█
Siegenite	>1.70	>1.70	1																			█
Sillimanite	>1.70	>1.70	2																			█
Silver	>1.70	>1.70	1																			█
Skutterudite	>1.70	>1.70	3																			█
Skutterudite-(Ni)	.50->1.70	>1.70	1																			█
Smithsonite	>1.70	>1.70	3							█	█	█	█	█	█	█	█	█	█	█	█	█
Sodalite	>1.70	>1.70	4																			█
Sphalerite	1.30->1.70	>1.70	8																			█
Spodumene	>1.70	>1.70	3																			█
Stibnite	>1.70	>1.70	6																			█
Stilbite	>1.70	>1.70	3																			█
Strontianite	>1.70	>1.70	1																			█
Sulfur	>1.70	>1.70	3																			█
Sylvanite	>1.70	>1.70	3																			█
Sylvite	>1.70	>1.70	1																			█
Tellurium	>1.70	>1.70	1																			█
Tennantite	.70->1.70	>1.70	3																			█
Tetradymite	>1.70	>1.70	1																			█
Tetrahedrite	>1.70	>1.70	5																			█
Tetrahedrite-(Ag)	.50->1.70	>1.70	6																			█
Thaumasite	>1.70	>1.70	1																			█
Thenardite	>1.70	>1.70	2																			█

MINERAL	AMPRANGE	BESTRANGE	NO	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	
Thulite	>1.70	>1.70	1																			
Topaz	>1.70	>1.70	3																			██
Tremolite	>1.70	>1.70	3																			██
Turquoise	.50->1.70	>1.70	6																			██
Tyuyamunite	>1.70	>1.70	2							████████████████████												██
Ulexite	>1.70	>1.70	2																			██
Ullmannite	>1.70	>1.70	1																			██
Vanadinite	>1.70	>1.70	2																			██
Variscite	>1.70	>1.70	2																			██
Wavellite	>1.70	>1.70	1																			██
Wernerite	>1.70	>1.70	3																			██
Witherite	>1.70	>1.70	1																			██
Wollastonite	>1.70	>1.70	4																			██
Zeunerite	>1.70	>1.70	1																			██
Zinkenite	>1.70	>1.70	1																			██
Zippeite	>1.70	>1.70	1																			██
Zircon	>1.70	>1.70	5																			██