

Mineral Import of Thailand 2021 - 2022

Source : Department of Primary Industries and Mines, in cooperation with the Customs Department.

Quantity : Tonnes Value : Million Baht

Mineral	2021		2022		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Aluminium ore	22,169	298.2	20,949	339.8	-5.50%	13.95%
Andalusite, Kyannite and Sillimanite	3,145	39.9	3,971	79.2	26.28%	98.50%
Anhydrite	2	0.0	27	0.4	1250.00%	3900.00%
Anthracite	108,168	471.6	96,634	1,223.5	-10.66%	159.44%
Antimony ore	5,794	634.1	3,680	513.5	-36.49%	-19.02%
Apatite (ground)	3,313	9.1	4,042	17.7	22.01%	94.51%
Asbestos	32,640	466.5	34,422	709.2	5.46%	52.03%
Attapulgitite	500	8.7	111	1.0	-77.70%	-88.51%
Ball Clay	27,083	173.5	16,877	159.9	-37.68%	-7.84%
Barite	89,981	178.1	110,749	230.9	23.08%	29.65%
Basalt	10,678	63.7	7,065	61.0	-33.84%	-4.24%
Bentonite	151,974	944.8	140,918	1,049.9	-7.28%	11.12%
Bituminous coal	8,655,017	23,808.7	6,052,971	27,309.1	-30.06%	14.70%
Calcite	0	0.0	-	0.0	-	-
Chalk	46	0.8	33	0.8	-27.25%	0.00%
Chromite ore	1,450	15.9	1,809	28.5	24.76%	79.25%
Coal Solid Fuels from Coal	15,029,555	33,744.4	15,107,281	66,067.6	0.52%	95.79%
Cobalt ore	0	0.4	0	0.4	-29.78%	0.00%
Coke	14,323	269.2	21,391	451.2	49.35%	67.61%
Columbite	25	15.8	266	224.2	964.31%	1318.99%
Copper	8,759	35.3	3,832	26.3	-56.25%	-25.50%
Dolomite	602	9.5	1,798	23.5	198.50%	147.37%
Ecaussine	-	-	-	-	-	-
Emery	7,822	93.7	10,221	119.8	30.67%	27.85%
Epsomite	63	0.6	397	3.3	530.16%	450.00%
Feldspar						
- Potassium, Sodium Feldspar	33,060	128.8	21,487	99.0	-35.01%	-23.14%
- Other Feldspar	15,664	73.5	21,030	134.5	34.25%	82.99%
Fireclay	1,152	14.8	761	11.2	-33.98%	-24.32%
Flint	495,061	99.8	634,529	119.8	28.17%	20.04%
Fluorite	10,585	71.1	5,877	59.9	-44.48%	-15.75%
Granite	44,904	222.1	32,689	194.0	-27.20%	-12.65%
Graphite	6,195	149.6	3,538	135.9	-42.89%	-9.16%
Gypsum	296	6.1	425	9.1	43.62%	48.82%
ilmenite ore	104	4.7	160	4.7	53.86%	0.00%
Iron ore	2,741	20.1	2,965	35.7	8.15%	77.61%
Iron Pyrites	2,494	16.3	5,792	39.9	132.25%	144.79%
Kaolin						
- Ceramic	39,336	307.2	43,763	455.7	11.25%	48.34%
- Paper	8,629	88.6	10,378	135.7	20.27%	53.16%
- Others	65,521	674.4	61,375	949.8	-6.33%	40.84%
Kieserite	10,273	55.8	5,940	55.1	-42.18%	-1.25%
Lead ore	177	103.5	204	36.6	15.23%	-64.64%
Lignite	276,410	266.4	255,821	294.9	-7.45%	10.70%
Limestone	2,515	31.3	2,015	27.3	-19.88%	-12.78%
Lucite, Nepheline and Nepheline Syenite	719	20.8	694	17.7	-3.50%	-14.90%
Magnesite	3,909	55.5	2,600	36.3	-33.47%	-34.59%
Manganese ore	21,709	40.1	20,569	39.1	-5.25%	-2.49%
Marble	20,099	328.9	33,338	672.7	65.87%	104.53%
Mica	7,072	180.4	5,569	174.3	-21.24%	-3.38%
Molybdenite ore	6,100	1,727.6	6,416	2,609.0	5.17%	51.02%
Mullite	2,847	47.4	2,622	55.1	-7.88%	16.24%
Nickel ore	4	3.7	71	6.2	1705.74%	67.57%
Niobium and Vanadium ore	82,979	2,423.8	32,428	3,127.5	-60.92%	29.03%
Orpiment	1,375	11.3	1,130	10.0	-17.83%	-11.50%
Peat	27,742	257.5	26,906	260.5	-3.01%	1.17%
Phosphate						
- Ground	-	-	9	1.4	-	-
- Unground	1	0.0	2	0.0	269.70%	12.50%
Potash	-	-	-	-	-	-
Pumice stone	12,788	89.6	9,292	73.3	-27.34%	-18.19%
Pyrophyllite	200	1.4	3,360	22.7	1579.99%	1521.43%
Quartz	75,122	637.6	109,729	1,152.3	46.07%	80.72%
Rock salt	365	4.6	174	3.4	-52.17%	-26.09%
Sandstone	650	7.9	784	10.9	20.65%	37.97%
Serpentine	55	0.7	27	0.2	-51.64%	-71.43%
Silica sand	94,258	632.2	215,748	1,202.7	128.89%	90.24%
Silver ore	8	0.6	10	1.0	24.05%	66.67%
Slate	75	1.2	224	4.1	198.78%	241.67%
Steatite	1,166	17.6	811	14.8	-30.44%	-15.91%
Sulphur	125,410	940.8	79,280	1,030.4	-36.78%	9.52%
Talc	143,640	1,645.9	134,829	1,731.7	-6.13%	5.21%
Tantalite	843	1,244.9	749	1,615.0	-11.18%	29.73%
Thorium ore	-	-	-	-	-	-
Tin ore	18,164	9,967.2	12,804	8,200.0	-29.51%	-17.73%
Titanium ore						
- Rutile	2,001	113.4	2,777	222.0	38.83%	95.77%
- Leucoxene	1,020	50.6	1,518	109.5	48.83%	116.40%
- Ilmenite	572	23.6	-	0.0	-	-
- Other Titanium ore	586	32.2	3,738	219.3	538.39%	581.06%
Tungsten (other)	-	-	-	-	-	-
Vermiculite, Perlite and Chlorites	4,281	47.0	6,103	52.8	42.56%	12.34%
Witherite	75	1.3	75	2.0	0.00%	53.85%
Xenotime	-	-	25	0.2	-	-
Zinc ore	7,673	23.6	16,595	88.3	116.27%	274.15%
Zirconium ore	19,034	567.7	5,224	428.2	-72.56%	-24.57%
Total		84,765.3		124,634.1		47.03%

0* denoting the amount of less than 0.1 metric tonnes

0.0** denoting the amount of less than 0.05 million baht

Mineral Import of Thailand 2021 - 2022 by Group

Quantity : Tonnes

Source : Department of Primary Industries and Mines, in cooperation with the Customs Department.

Value : Million Baht

Mineral	2021		2022		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Mineral Fuels and Energy						
Anthracite	108,168	471.6	96,634	1,223.5	-10.66%	159.44%
Bituminous coal	8,655,017	23,808.7	6,052,971	27,309.1	-30.06%	14.70%
Coal Solid Fuels from Coal	15,029,555	33,744.4	15,107,281	66,067.6	0.52%	95.79%
Coke	14,323	269.2	21,391	451.2	49.35%	67.61%
Lignite	276,410	266.4	255,821	294.9	-7.45%	10.70%
Peat	27,742	257.5	26,906	260.5	-3.01%	1.17%
Total		58,817.8		95,606.8		62.55%
%		69.39		76.71		10.55%
Iron and Ferro Alloy						
Chromite ore	1,450	15.9	1,809	28.5	24.76%	79.25%
Cobalt ore	0	0.4	0	0.4	-29.78%	0.00%
Columbite	25	15.8	266	224.2	964.31%	1318.99%
Iron ore	2,741	20.1	2,965	35.7	8.15%	77.61%
Iron Pyrites	2,494	16.3	5,792	39.9	132.25%	144.79%
Manganese ore	21,709	40.1	20,569	39.1	-5.25%	-2.49%
Molybdenite ore	6,100	1,727.6	6,416	2,609.0	5.17%	51.02%
Nickel ore	4	3.7	71	6.2	1705.74%	67.57%
Tungsten (other)	-	-	-	-	-	-
Total		1,839.9		2,983.0		62.13%
%		2.17		2.39		10.27%
Base Metals						
Aluminium ore	22,169	298.2	20,949	339.8	-5.50%	13.95%
Antimony ore	5,794	634.1	3,680	513.5	-36.49%	-19.02%
Copper	8,759	35.3	3,832	26.3	-56.25%	-25.50%
Lead ore	177	103.5	204	36.6	15.23%	-64.64%
Tin ore	18,164	9,967.2	12,804	8,200.0	-29.51%	-17.73%
Zinc ore	7,673	23.6	16,595	88.3	116.27%	274.15%
Total		11,061.9		9,204.5		-16.79%
%		13.05		7.39		-43.41%
Precious Metals and Precious Stone						
Emery	7,822	93.7	10,221	119.8	30.67%	27.85%
Silver ore	8	0.6	10	1.0	24.05%	66.67%
Total		94.3		120.8		28.10%
%		0.11		0.10		-12.88%
Light Metals and Rare Earth						
ilmenite ore	104	4.7	160	4.7	53.86%	0.00%
Niobium and Vanadium ore	82,979	2,423.8	32,428	3,127.5	-60.92%	29.03%
Tantalite	843	1,244.9	749	1,615.0	-11.18%	29.73%
Thorium ore	-	-	-	-	-	-
Titanium ore						
- Rutile	2,001	113.4	2,777	222.0	38.83%	95.77%
- Leucoxene	1,020	50.6	1,518	109.5	48.83%	116.40%
- Ilmenite	572	23.6	-	0.0	-	-
- Other Titanium ore	586	32.2	3,738	219.3	538.39%	581.06%
Zirconium ore	19,034	567.7	5,224	428.2	-72.56%	-24.57%
Total		4,460.9		5,726.2		28.36%
%		5.26		4.59		-12.70%
Cement Industrial Minerals						
Anhydrite	2	0.0	27	0.4	1250.00%	3900.00%
Gypsum	296	6.1	425	9.1	43.62%	48.82%
Limestone	2,515	31.3	2,015	27.3	-19.88%	-12.78%
Total		37.4		36.8		-1.69%
%		0.04		0.03		-33.14%

0* denoting the amount of less than 0.1 metric tonnes

0.0** denoting the amount of less than 0.05 million baht

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Quantity : Tonnes

Source : Department of Primary Industries and Mines, in cooperation with the Customs Department.

Value : Million Baht

Mineral	2021		2022		Percentage	
	Quantity	Value	Quantity	Value	Quantity	Value
Ceramic Industrial Minerals						
Andalusite, Kyannite and Sillimanite	3,145	39.9	3,971	79.2	26.28%	98.50%
Attapulgit	500	8.7	111	1.0	-77.70%	-88.51%
Ball Clay	27,083	173.5	16,877	159.9	-37.68%	-7.84%
Dolomite	602	9.5	1,798	23.5	198.50%	147.37%
Feldspar						
- Potassium, Sodium Feldspar	33,060	128.8	21,487	99.0	-35.01%	-23.14%
- Other Feldspar	15,664	73.5	21,030	134.5	34.25%	82.99%
Kaolin						
- Ceramic	39,336	307.2	43,763	455.7	11.25%	48.34%
- Paper	8,629	88.6	10,378	135.7	20.27%	53.16%
- Others	65,521	674.4	61,375	949.8	-6.33%	40.84%
Lucite, Nepheline and Nepheline Syenite	719	20.8	694	17.7	-3.50%	-14.90%
Mullite	2,847	47.4	2,622	55.1	-7.88%	16.24%
Quartz	75,122	637.6	109,729	1,152.3	46.07%	80.72%
Silica sand	94,258	632.2	215,748	1,202.7	128.89%	90.24%
Total		2,842.1		4,466.1		57.14%
%		3.35		3.58		6.87%
Dimension Stone						
Ecaussine	-	-	-	-	-	-
Granite	44,904	222.1	32,689	194.0	-27.20%	-12.65%
Marble	20,099	328.9	33,338	672.7	65.87%	104.53%
Sandstone	650	7.9	784	10.9	20.65%	37.97%
Serpentine	55	0.7	27	0.2	-51.64%	-71.43%
Slate	75	1.2	224	4.1	198.78%	241.67%
Total		560.8		881.9		57.26%
%		0.66		0.71		6.95%
Industrial Rock						
Basalt	10,678	63.7	7,065	61.0	-33.84%	-4.24%
Flint	495,061	99.8	634,529	119.8	28.17%	20.04%
Pumice stone	12,788	89.6	9,292	73.3	-27.34%	-18.19%
Vermiculite, Perlite and Chlorites	4,281	47.0	6,103	52.8	42.56%	12.34%
Total		300.1		306.9		2.27%
%		0.35		0.25		-30.45%
Other Industrial Minerals						
Apatite (ground)	3,313	9.1	4,042	17.7	22.01%	94.51%
Asbestos	32,640	466.5	34,422	709.2	5.46%	52.03%
Barite	89,981	178.1	110,749	230.9	23.08%	29.65%
Bentonite	151,974	944.8	140,918	1,049.9	-7.28%	11.12%
Calcite	0	0.0	-	0.0	-	-
Chalk	46	0.8	33	0.8	-27.25%	0.00%
Epsomite	63	0.6	397	3.3	530.16%	450.00%
Fireclay	1,152	14.8	761	11.2	-33.98%	-24.32%
Fluorite	10,585	71.1	5,877	59.9	-44.48%	-15.75%
Kieserite	10,273	55.8	5,940	55.1	-42.18%	-1.25%
Graphite	6,195	149.6	3,538	135.9	-42.89%	-9.16%
Magnesite	3,909	55.5	2,600	36.3	-33.47%	-34.59%
Mica	7,072	180.4	5,569	174.3	-21.24%	-3.38%
Orpiment	1,375	11.3	1,130	10.0	-17.83%	-11.50%
Phosphate						
- Ground	-	-	9	1.4	-	-
- Unground	1	0.0	2	0.0	269.70%	12.50%
Potash	-	-	-	-	-	-
Pyrophyllite	200	1.4	3,360	22.7	1579.99%	1521.43%
Rock salt	365	4.6	174	3.4	-52.17%	-26.09%
Steatite	1,166	17.6	811	14.8	-30.44%	-15.91%
Sulphur	125,410	940.8	79,280	1,030.4	-36.78%	9.52%
Talc	143,640	1,645.9	134,829	1,731.7	-6.13%	5.21%
Witherite	75	1.3	75	2.0	0.00%	53.85%
Xenotime	-	-	25	0.2	-	-
Total		4,750.1		5,301.1		11.60%
%		5.60		4.25		-24.10%
Total		84,765.3		124,634.1		47.03%

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Coal Solid Fuels from Coal	15,029,555	33,744.4	15,107,281	66,067.6	0.52%	95.79%
Bituminous coal	8,655,017	23,808.7	6,052,971	27,309.1	-30.06%	14.70%
Tin ore	18,164	9,967.2	12,804	8,200.0	-29.51%	-17.73%
Niobium and Vanadium ore	82,979	2,423.8	32,428	3,127.5	-60.92%	29.03%
Molybdenite ore	6,100	1,727.6	6,416	2,609.0	5.17%	51.02%
Talc	143,640	1,645.9	134,829	1,731.7	-6.13%	5.21%
Tantalite	843	1,244.9	749	1,615.0	-11.18%	29.73%
Kaolin						
- Ceramic	39,336	307.2	43,763	455.7	11.25%	48.34%
- Paper	8,629	88.6	10,378	135.7	20.27%	53.16%
- Others	65,521	674.4	61,375	949.8	-6.33%	40.84%
Anthracite	108,168	471.6	96,634	1,223.5	-10.66%	159.44%
Silica sand	94,258	632.2	215,748	1,202.7	128.89%	90.24%
Quartz	75,122	637.6	109,729	1,152.3	46.07%	80.72%
Bentonite	151,974	944.8	140,918	1,049.9	-7.28%	11.12%
Sulphur	125,410	940.8	79,280	1,030.4	-36.78%	9.52%
Asbestos	32,640	466.5	34,422	709.2	5.46%	52.03%
Marble	20,099	328.9	33,338	672.7	65.87%	104.53%
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Zirconium ore	19,034	567.7	5,224	428.2	-72.56%	-24.57%
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Mica	7,072	180.4	5,569	174.3	-21.24%	-3.38%
Ball Clay	27,083	173.5	16,877	159.9	-37.68%	-7.84%
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Flint	495,061	99.8	634,529	119.8	28.17%	20.04%
Emery	7,822	93.7	10,221	119.8	30.67%	27.85%
Zinc ore	7,673	23.6	16,595	88.3	116.27%	274.15%
Andalusite, Kyannite and Sillimanite	3,145	39.9	3,971	79.2	26.28%	98.50%
Pumice stone	12,788	89.6	9,292	73.3	-27.34%	-18.19%
Basalt	10,678	63.7	7,065	61.0	-33.84%	-4.24%
Fluorite	10,585	71.1	5,877	59.9	-44.48%	-15.75%
Mullite	2,847	47.4	2,622	55.1	-7.88%	16.24%
Kieserite	10,273	55.8	5,940	55.1	-42.18%	-1.25%
Vermiculite, Perlite and Chlorites	4,281	47.0	6,103	52.8	42.56%	12.34%
Iron Pyrites	2,494	16.3	5,792	39.9	132.25%	144.79%
Manganese ore	21,709	40.1	20,569	39.1	-5.25%	-2.49%
Lead ore	177	103.5	204	36.6	15.23%	-64.64%
Magnesite	3,909	55.5	2,600	36.3	-33.47%	-34.59%
Iron ore	2,741	20.1	2,965	35.7	8.15%	77.61%
Chromite ore	1,450	15.9	1,809	28.5	24.76%	79.25%
Limestone	2,515	31.3	2,015	27.3	-19.88%	-12.78%
Copper	8,759	35.3	3,832	26.3	-56.25%	-25.50%
Dolomite	602	9.5	1,798	23.5	198.50%	147.37%
Pyrophyllite	200	1.4	3,360	22.7	1579.99%	1521.43%
Apatite (ground)	3,313	9.1	4,042	17.7	22.01%	94.51%
Lucite, Nepheline and Nepheline Syenite	719	20.8	694	17.7	-3.50%	-14.90%
Steatite	1,166	17.6	811	14.8	-30.44%	-15.91%
Fireclay	1,152	14.8	761	11.2	-33.98%	-24.32%
Sandstone	650	7.9	784	10.9	20.65%	37.97%
Orpiment	1,375	11.3	1,130	10.0	-17.83%	-11.50%
Gypsum	296	6.1	425	9.1	43.62%	48.82%
Nickel ore	4	3.7	71	6.2	1705.74%	67.57%
ilmenite ore	104	4.7	160	4.7	53.86%	0.00%
Slate	75	1.2	224	4.1	198.78%	241.67%
Rock salt	365	4.6	174	3.4	-52.17%	-26.09%
Epsomite	63	0.6	397	3.3	530.16%	450.00%
Witherite	75	1.3	75	2.0	0.00%	53.85%
Phosphate						
- Ground	-	-	9	1.4	-	-
- Unground	1	0.0	2	0.0	2.70	0.13
Silver ore	8	0.6	10	1.0	24.05%	66.67%
Attapulgite	500	8.7	111	1.0	-77.70%	-88.51%
Chalk	46	0.8	33	0.8	-27.25%	0.00%
Anhydrite	2	0.0	27	0.4	1250.00%	3900.00%
Cobalt ore	0	0.4	0	0.4	-29.78%	0.00%
Serpentine	55	0.7	27	0.2	-51.64%	-71.43%
Xenotime	-	-	25	0.2	-	-
Calcite	0	0.0	-	0.0	-	-
Ecaussine	-	-	-	-	-	-
Potash	-	-	-	-	-	-
Thorium ore	-	-	-	-	-	-
Tungsten (other)	-	-	-	-	-	-
Total		84,765.3		124,634.1		47.03%

* denoting the amount of less than 0.1 metric tonnes

0.0** denoting the amount of less than 0.05 million baht