

## Mineral Import of Thailand (Fiscal) 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	21,788	282.5	24,863	389.5	14.11%	37.87%
Andalusite, Kyannite and Sillimanite	3,316	40.9	3,095	59.4	-6.66%	45.40%
Anhydrite	1	0.0	2	0.0	100.00%	79.07%
Anthracite	141,296	554.6	78,637	944.1	-44.35%	70.21%
Antimony ore	5,082	547.0	2,859	328.5	-43.75%	-39.96%
Apatite (ground)	4,504	12.1	4,042	17.7	-10.26%	45.57%
Asbestos	30,367	418.4	30,017	538.9	-1.15%	28.82%
Attapulgitite	28	0.5	580	9.1	1994.26%	1723.83%
Ball Clay	27,338	172.8	19,430	160.8	-28.93%	-6.92%
Barite	130,380	220.8	107,594	220.8	-17.48%	0.02%
Basalt	15,453	82.8	7,670	56.2	-50.37%	-32.08%
Bentonite	144,722	883.5	142,452	1,002.1	-1.57%	13.42%
Bituminous coal	8,792,557	21,785.4	5,998,817	22,483.6	-31.77%	3.20%
Calcite	-	-	0	0.0	-	-
Chalk	76	1.2	32	0.7	-57.84%	-38.15%
Chromite ore	1,637	16.6	1,615	24.2	-1.35%	45.52%
Coal Solid Fuels from Coal	15,383,315	27,965.9	14,882,216	59,497.9	-3.26%	112.75%
Cobalt ore	0	0.4	-	-	-	-
Coke	13,844	226.4	19,537	421.1	41.11%	85.98%
Columbite	-	-	266	219.8	-	-
Copper	9,608	37.9	3,778	18.8	-60.68%	-50.48%
Dolomite	667	8.6	1,928	26.8	189.19%	213.76%
Ecaussine	-	-	-	-	-	-
Emery	6,621	81.4	7,842	92.6	18.44%	13.81%
Epsomite	63	0.6	355	2.4	463.52%	263.59%
Feldspar	-	-	-	-	-	-
- Potassium, Sodium Feldspar	33,925	123.5	21,096	96.3	-37.82%	-22.03%
- Other Feldspar	15,834	63.9	19,093	118.6	20.58%	85.73%
Fireclay	1,192	14.8	765	10.9	-35.79%	-26.43%
Flint	366,997	78.7	676,018	126.4	84.20%	60.59%
Fluorite	10,428	59.8	6,675	66.7	-35.99%	11.58%
Granite	45,319	215.7	33,321	204.0	-26.47%	-5.45%
Graphite	6,802	147.3	2,995	121.2	-55.97%	-17.67%
Gypsum	229	4.6	513	10.3	123.81%	122.75%
ilmenite ore	104	4.7	52	3.5	-49.74%	-24.40%
Iron ore	1,763	10.6	3,371	35.3	91.14%	232.56%
Iron Pyrites	2,429	15.0	5,180	36.2	113.29%	141.67%
Kaolin	-	-	-	-	-	-
- Ceramic	37,566	269.2	42,267	443.6	12.51%	64.82%
- Paper	9,029	92.7	9,119	111.0	1.00%	19.73%
- Others	68,771	665.6	62,352	877.1	-9.33%	31.77%
Kieserite	9,586	51.4	6,122	55.9	-36.13%	8.64%
Lead ore	181	103.4	203	53.4	11.95%	-48.33%
Lignite	245,251	232.9	235,140	244.1	-4.12%	4.81%
Limestone	2,547	34.1	2,227	24.9	-12.57%	-26.79%
Lucite, Nepheline and Nepheline Syenite	701	20.7	641	15.4	-8.55%	-25.52%
Magnesite	4,008	53.9	2,920	41.5	-27.15%	-23.02%
Manganese ore	26,046	48.1	28,175	53.7	8.17%	11.62%
Marble	20,009	321.7	31,092	641.2	55.40%	99.33%
Mica	7,036	180.4	5,827	169.1	-17.18%	-6.23%
Molybdenite ore	7,254	1,650.0	4,289	1,652.7	-40.88%	0.16%
Mullite	2,900	47.1	2,743	55.9	-5.40%	18.81%
Nickel ore	3	2.6	70	5.5	2168.87%	110.81%
Niobium and Vanadium ore	77,323	2,016.5	46,105	2,524.3	-40.37%	25.18%
Orpiment	1,392	11.1	1,346	11.9	-3.26%	6.44%
Peat	25,663	229.3	27,845	262.0	8.50%	14.26%
Phosphate	-	-	-	-	-	-
- Ground	-	-	6	0.9	-	-
- Unground	0	0.0	3	0.1	4442.86%	272.44%
Potash	-	-	-	-	-	-
Pumice stone	10,807	79.9	11,361	83.3	5.12%	4.20%
Pyrophyllite	200	1.3	3,380	22.8	1589.99%	1610.70%
Quartz	54,572	414.2	101,717	1,054.2	86.39%	154.50%
Rock salt	411	4.7	209	2.8	-49.21%	-39.26%
Sandstone	702	9.2	657	9.1	-6.36%	-1.76%
Serpentine	248	3.2	27	0.2	-89.21%	-92.83%
Silica sand	76,490	486.7	160,996	1,034.4	110.48%	112.54%
Silver ore	11	0.8	8	0.8	-27.07%	-1.55%
Slate	75	1.1	224	4.1	197.72%	280.36%
Steatite	1,093	15.8	949	17.1	-13.19%	8.20%
Sulphur	139,568	777.0	104,265	1,285.4	-25.29%	65.43%
Talc	150,780	1,710.0	128,568	1,604.9	-14.73%	-6.15%
Tantalite	955	1,271.4	779	1,576.6	-18.43%	24.01%
Thorium ore	-	-	-	-	-	-
Tin ore	17,966	8,464.3	13,494	9,570.6	-24.89%	13.07%
Titanium ore	-	-	-	-	-	-
- Rutile	2,036	94.6	2,618	189.9	28.56%	100.71%
- Leucosene	520	21.4	1,300	80.3	149.98%	274.89%
- Ilmenite	332	11.2	240	12.4	-27.79%	10.68%
- Other Titanium ore	540	25.0	3,520	208.8	552.20%	735.86%
Tungsten (other)	-	-	-	-	-	-
Vermiculite, Perlite and Chlorites	4,301	45.0	6,570	57.8	52.73%	28.67%
Witherite	50	0.8	100	2.5	100.00%	223.78%
Xenotime	-	-	25	0.2	-	-
Zinc ore	7,064	21.6	12,569	66.2	77.94%	207.14%
Zirconium ore	20,144	599.3	4,963	377.5	-75.36%	-37.02%
<b>Total</b>		<b>74,168.3</b>		<b>111,851.1</b>		<b>50.81%</b>

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 (Fiscal) 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
<b>Mineral Fuels and Energy</b>						
Anthracite	141,296	554.6	78,637	944.1	-44.35%	70.21%
Bituminous coal	8,792,557	21,785.4	5,998,817	22,483.6	-31.77%	3.20%
Coal Solid Fuels from Coal	15,383,315	27,965.9	14,882,216	59,497.9	-3.26%	112.75%
Coke	13,844	226.4	19,537	421.1	41.11%	85.98%
Lignite	245,251	232.9	235,140	244.1	-4.12%	4.81%
Peat	25,663	229.3	27,845	262.0	8.50%	14.26%
Total		50,994.6		83,852.8		64.43%
%		68.8		75.0		9.04%
<b>Iron and Ferro Alloy</b>						
Chromite ore	1,637	16.6	1,615	24.2	-1.35%	45.52%
Cobalt ore	0	0.4	-	-	-	-
Columbite	-	-	266	219.8	-	-
Iron ore	1,763	10.6	3,371	35.3	91.14%	232.56%
Iron Pyrites	2,429	15.0	5,180	36.2	113.29%	141.67%
Manganese ore	26,046	48.1	28,175	53.7	8.17%	11.62%
Molybdenite ore	7,254	1,650.0	4,289	1,652.7	-40.88%	0.16%
Nickel ore	3	2.6	70	5.5	2168.87%	110.81%
Tungsten (other)	-	-	-	-	-	-
Total		1,743.3		2,027.4		16.30%
%		2.4		1.8		-22.88%
<b>Base Metals</b>						
Aluminium ore	21,788	282.5	24,863	389.5	14.11%	37.87%
Antimony ore	5,082	547.0	2,859	328.5	-43.75%	-39.96%
Copper	9,608	37.9	3,778	18.8	-60.68%	-50.48%
Lead ore	181	103.4	203	53.4	11.95%	-48.33%
Tin ore	17,966	8,464.3	13,494	9,570.6	-24.89%	13.07%
Zinc ore	7,064	21.6	12,569	66.2	77.94%	207.14%
Total		9,456.7		10,427.1		10.26%
%		12.8		9.3		-26.89%
<b>Precious Metals and Precious Stone</b>						
Emery	6,621	81.4	7,842	92.6	18.44%	13.81%
Silver ore	11	0.8	8	0.8	-27.07%	-1.55%
Total		82.2		93.5		13.66%
%		0.1		0.1		-24.63%
<b>Light Metals and Rare Earth</b>						
ilmenite ore	104	4.7	52	3.5	-49.74%	-24.40%
Niobium and Vanadium ore	77,323	2,016.5	46,105	2,524.3	-40.37%	25.18%
Tantalite	955	1,271.4	779	1,576.6	-18.43%	24.01%
Thorium ore	-	-	-	-	-	-
Titanium ore						
- Rutile	2,036	94.6	2,618	189.9	28.56%	100.71%
- Leucocoxene	520	21.4	1,300	80.3	149.98%	274.89%
- Ilmenite	332	11.2	240	12.4	-27.79%	10.68%
- Other Titanium ore	540	25.0	3,520	208.8	552.20%	735.86%
Zirconium ore	20,144	599.3	4,963	377.5	-75.36%	-37.02%
Total		4,044.1		4,973.3		22.98%
%		5.5		4.4		-18.45%
<b>Cement Industrial Minerals</b>						
Anhydrite	1	0.0	2	0.0	100.00%	79.07%
Gypsum	229	4.6	513	10.3	123.81%	122.75%
Limestone	2,547	34.1	2,227	24.9	-12.57%	-26.79%
Total		38.7		35.2		-8.91%
%		0.1		0.0		-39.60%

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 (Fiscal) 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
<b>Ceramic Industrial Minerals</b>						
Andalusite, Kyannite and Sillimanite	3,316	40.9	3,095	59.4	-6.66%	45.40%
Attapulgit	28	0.5	580	9.1	1994.26%	1723.83%
Ball Clay	27,338	172.8	19,430	160.8	-28.93%	-6.92%
Dolomite	667	8.6	1,928	26.8	189.19%	213.76%
Feldspar						
- Potassium, Sodium Feldspar	33,925	123.5	21,096	96.3	-37.82%	-22.03%
- Other Feldspar	15,834	63.9	19,093	118.6	20.58%	85.73%
Kaolin						
- Ceramic	37,566	269.2	42,267	443.6	12.51%	64.82%
- Paper	9,029	92.7	9,119	111.0	1.00%	19.73%
- Others	68,771	665.6	62,352	877.1	-9.33%	31.77%
Lucite, Nepheline and Nepheline Syenite	701	20.7	641	15.4	-8.55%	-25.52%
Mullite	2,900	47.1	2,743	55.9	-5.40%	18.81%
Quartz	54,572	414.2	101,717	1,054.2	86.39%	154.50%
Silica sand	76,490	486.7	160,996	1,034.4	110.48%	112.54%
<b>Total</b>		<b>2,406.3</b>		<b>4,062.8</b>		<b>68.84%</b>
<b>%</b>		<b>3.2</b>		<b>3.6</b>		<b>11.96%</b>
<b>Dimension Stone</b>						
Ecaussine	-	-	-	-	-	-
Granite	45,319	215.7	33,321	204.0	-26.47%	-5.45%
Marble	20,009	321.7	31,092	641.2	55.40%	99.33%
Sandstone	702	9.2	657	9.1	-6.36%	-1.76%
Serpentine	248	3.2	27	0.2	-89.21%	-92.83%
Slate	75	1.1	224	4.1	197.72%	280.36%
<b>Total</b>		<b>551.0</b>		<b>858.6</b>		<b>55.83%</b>
<b>%</b>		<b>0.7</b>		<b>0.8</b>		<b>3.33%</b>
<b>Industrial Rock</b>						
Basalt	15,453	82.8	7,670	56.2	-50.37%	-32.08%
Flint	366,997	78.7	676,018	126.4	84.20%	60.59%
Pumice stone	10,807	79.9	11,361	83.3	5.12%	4.20%
Vermiculite, Perlite and Chlorites	4,301	45.0	6,570	57.8	52.73%	28.67%
<b>Total</b>		<b>286.4</b>		<b>323.7</b>		<b>13.05%</b>
<b>%</b>		<b>0.4</b>		<b>0.3</b>		<b>-25.04%</b>
<b>Other Industrial Minerals</b>						
Apatite (ground)	4,504	12.1	4,042	17.7	-10.26%	45.57%
Asbestos	30,367	418.4	30,017	538.9	-1.15%	28.82%
Barite	130,380	220.8	107,594	220.8	-17.48%	0.02%
Bentonite	144,722	883.5	142,452	1,002.1	-1.57%	13.42%
Calcite	-	-	0	0.0	-	-
Chalk	76	1.2	32	0.7	-57.84%	-38.15%
Epsomite	63	0.6	355	2.4	463.52%	263.59%
Fireclay	1,192	14.8	765	10.9	-35.79%	-26.43%
Fluorite	10,428	59.8	6,675	66.7	-35.99%	11.58%
Graphite	6,802	147.3	2,995	121.2	-55.97%	-17.67%
Kieserite	9,586	51.4	6,122	55.9	-36.13%	8.64%
Magnesite	4,008	53.9	2,920	41.5	-27.15%	-23.02%
Mica	7,036	180.4	5,827	169.1	-17.18%	-6.23%
Orpiment	1,392	11.1	1,346	11.9	-3.26%	6.44%
Phosphate						
- Ground	-	-	6	0.9	-	-
- Unground	0	0.0	3	0.1	4442.86%	272.44%
Potash	-	-	-	-	-	-
Pyrophyllite	200	1.3	3,380	22.8	1589.99%	1610.70%
Rock salt	411	4.7	209	2.8	-49.21%	-39.26%
Steatite	1,093	15.8	949	17.1	-13.19%	8.20%
Sulphur	139,568	777.0	104,265	1,285.4	-25.29%	65.43%
Talc	150,780	1,710.0	128,568	1,604.9	-14.73%	-6.15%
Witherite	50	0.8	100	2.5	100.00%	223.78%
Xenotime	-	-	25	0.2	-	-
<b>Total</b>		<b>4,565.1</b>		<b>5,196.7</b>		<b>13.84%</b>
<b>%</b>		<b>6.2</b>		<b>4.6</b>		<b>-24.52%</b>
<b>Total</b>		<b>74,168.3</b>		<b>111,851.1</b>		<b>50.81%</b>

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	Value	Quantity	Value	Quantity	Value
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Bituminous coal	8,792,557	21,785.4	5,998,817	22,483.6	-31.77%	3.20%
Tin ore	17,966	8,464.3	13,494	9,570.6	-24.89%	13.07%
Niobium and Vanadium ore	77,323	2,016.5	46,105	2,524.3	-40.37%	25.18%
Molybdenite ore	7,254	1,650.0	4,289	1,652.7	-40.88%	0.16%
Talc	150,780	1,710.0	128,568	1,604.9	-14.73%	-6.15%
Tantalite	955	1,271.4	779	1,576.6	-18.43%	24.01%
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Sulphur	139,568	777.0	104,265	1,285.4	-25.29%	65.43%
Quartz	54,572	414.2	101,717	1,054.2	86.39%	154.50%
Silica sand	76,490	486.7	160,996	1,034.4	110.48%	112.54%
Bentonite	144,722	883.5	142,452	1,002.1	-1.57%	13.42%
Anthracite	141,296	554.6	78,637	944.1	-44.35%	70.21%
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Mica	7,036	180.4	5,827	169.1	-17.18%	-6.23%
Ball Clay	27,338	172.8	19,430	160.8	-28.93%	-6.92%
Flint	366,997	78.7	676,018	126.4	84.20%	60.59%
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Basalt	15,453	82.8	7,670	56.2	-50.37%	-32.08%
Mullite	2,900	47.1	2,743	55.9	-5.40%	18.81%
Kieserite	9,586	51.4	6,122	55.9	-36.13%	8.64%
Manganese ore	26,046	48.1	28,175	53.7	8.17%	11.62%
Lead ore	181	103.4	203	53.4	11.95%	-48.33%
Magnesite	4,008	53.9	2,920	41.5	-27.15%	-23.02%
Iron Pyrites	2,429	15.0	5,180	36.2	113.29%	141.67%
Iron ore	1,763	10.6	3,371	35.3	91.14%	232.56%
Dolomite	667	8.6	1,928	26.8	189.19%	213.76%
Limestone	2,547	34	2,227	24.9	-12.57%	-26.79%
Chromite ore	1,637	16.6	1,615	24.2	-1.35%	45.52%
Pyrophyllite	200	1.3	3,380	22.8	1589.99%	1610.70%
Copper	9,608	37.9	3,778	18.8	-60.68%	-50.48%
Apatite (ground)	4,504	12.1	4,042	17.7	-10.26%	45.57%
Steatite	1,093	15.8	949	17.1	-13.19%	8.20%
Lucite, Nepheline and Nepheline Syenite	701	20.7	641	15.4	-8.55%	-25.52%
Orpiment	1,392	11.1	1,346	11.9	-3.26%	6.44%
Fireclay	1,192	14.8	765	10.9	-35.79%	-26.43%
Gypsum	229	4.6	513	10.3	123.81%	122.75%
Attapulgit	28	0.5	580	9.1	1994.26%	1723.83%
Sandstone	702	9.2	657	9.1	-6.36%	-1.76%
Nickel ore	3	2.6	70	5.5	2168.87%	110.81%
Slate	75	1.1	224	4.1	197.72%	280.36%
ilmenite ore	104	4.7	52	3.5	-49.74%	-24.40%
Rock salt	411	4.7	209	2.8	-49.21%	-39.26%
Witherite	50	0.8	100	2.5	100.00%	223.78%
Epsomite	63	0.6	355	2.4	463.52%	263.59%
Phosphate						
- Ground	-	-	6	0.9	-	-
- Unground	0	0.0	3	0.1	4442.86%	272.44%
Silver ore	11	1	8	0.8	-27.07%	-1.55%
Chalk	76	1.2	32	0.7	-57.84%	-38.15%
Serpentine	248	3.2	27	0.2	-89.21%	-92.83%
Xenotime	-	-	25	0.2	-	-
Calcite	-	-	0	0.0	-	-
Anhydrite	1	0.0	2	0.0	100.00%	79.07%
Ecaussine	-	-	-	-	-	-
Cobalt ore	0	0.4	-	-	-	-
Potash	-	-	-	-	-	-
Thorium ore	-	-	-	-	-	-
Tungsten (other)	-	-	-	-	-	-
<b>Total</b>		<b>74,168.3</b>		<b>111,851.1</b>		<b>50.81%</b>

0\* denoting the amount of less than 0.1 metric tonnes

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