

## Emerald

[Emeralds](#) have long been coveted for their stunning green color and rarity, making them one of the most sought-after gemstones in the world. While emeralds can be found in various locations, some of the world's most prestigious mines are located in Colombia, Zambia, Brazil and Afghanistan. These mines have gained a reputation for producing some of the highest quality emeralds on Earth.

Mineral group – Beryl

Hardness: 7.5 – 8

CHEMICAL COMPOSITION -  $\text{Be}_3\text{Al}_2(\text{SiO}_3)_6$  + Green (caused by chromium and/or vanadium)

Emeralds are loved for their rich green color. Almost every emerald has natural lines or marks inside, called inclusions. Unlike diamonds, these inclusions are considered normal and don't affect the price much unless they are very heavy and make the stone look too cloudy or weak. What matters most is how strong and lively the green color looks.

- **High Quality:** Vivid, deep green with a bright glow. Even if there are some inclusions, the color is so strong that the gem looks beautiful. Rare, untreated emeralds of this type can cost **\$10,000–\$30,000 per carat**.
- **Medium Quality:** Green is attractive but not as bright or rich. Inclusions may be more visible, but the stone still looks good. Many of these emeralds are treated with oil to make them appear clearer. Prices usually range from **\$500–\$5,000 per carat**.
- **Low Quality:** Pale or dull green stones, often with heavy inclusions that make them cloudy or less lively. These are less valuable, usually **\$100–\$400 per carat**.