Attention: this version has been completed with Google Translate, it certainly contains errors or inaccuracies.

Technical sheet – general: Chrysoprase

Gemma –	(Italian - Crisop	orasio)	(German - Chrysopi	ras)	photo		
names	(English –	•	ريسوبراسي - Arabic)		,		
	Chrysoprase/Chryso	ophrase)	krisuprasi)				
	(French - Chryso		(Russian - Крисопр	аза			
	(Spanish - Crisc		chrisoprase)				
	(Portuguese - Cris		(Mandarin - क्रिसीप्र	ासे 🌉			
	(Thai - ไครโซปราส-K		Crisoprase)	1000			
	(Hindi - क्रिसोप्रासे Cı	risoprase)	(Swahili - Chrysopro	ise)			
Colors (GIA)			variety of chalcedon	y (a			
	cryptocrystalline fo			The second section			
			ase varies from light gr				
	_	•	sible shades of yellov				
			ferred to as apple gre				
			at trace of a visible ye				
	secondary hue are much less desirable and						
Cause of Color	expensive.	nraco is m	ainly due to the proce	noo of riel	al (miarasania in alusian		
Cause of Color	The color of chrysoprase is mainly due to the presence of nickel (microscopic inclusions						
	of silicates with a layer containing Ni). Nickel replaces iron in its structural unit. Chrysoprase, similar to gemstone chrysocolla, is known to fade when exposed to heat or						
	a dry environment. This is certainly true of material from older European sources, mainly						
	from Silesia. This appears not to be the case with material found in Australia; gems from						
	Marlborough and Yerilla are stable. However, it is still advisable to keep chrysoprase						
	away from prolonged exposure to direct sunlight and other forms of extreme heat.						
	Idiochromatic gen		G				
Classification	Mineral class Tectosilicate		Species – Group		Variety Crosoprase		
			(mineral)				
			Chalcedony (Quartz)				
Optical	Specific Gravity:		1- 1.539 (1.53 per point				
properties	2.58-2.91		plariscope : ADJ	charac	cte Absent		
	Municipality: 2.65	Bire	efringence: 0.004	r Uniaxi	ial		
	2.03			positiv			
	Luster (gloss) – lustre of fracture			розпі	Dispersion (fire)		
	Vitreous - vitreous				0.018		
Light		Fluorescence			Phosphorescence		
	SWUV extension (254 nm) : Green				Absent		
	LWUV ex	tension (38	55nm) : Absent				
Form	Crystal clear		Phenomenal or	otical	crystalline system		
	Microcrystalline a				Trigonal		
	Melting point: 14	10-1470°C	Nobody		Crystal class		
Chemical	Silicate (silicon	diuoxide)	hydrate of aluminum		spectrometer image		
formula	,	,	•	THE PERSON NAMED IN	0 600 550 500 450 40		
		SiO	_		0 600 550 500 450 40		
		310	2				
					Not indicative		
Fracture	Cleavag	je	Breaking- Par	ting	Fracture		
Fracture	Cleavag None	je	Breaking- Par	ting	Fracture Conchoidal or granular		
Fracture Durability	_		-		Conchoidal or granular Stability (heat, light,		
	None	- Absolute	-		Conchoidal or granular Stability (heat, light, chemicals)		
	None Hardness (Mohs)	- Absolute	toughness		Conchoidal or granular Stability (heat, light,		

Clarity- characteristics	Typical Inclusions: Chrysopre inclusions of other minerals such hematite, which can cause coto the relative abundance of usually cut flawlessly. Stones sometimes show small black visible inclusions exclude the stoof superior quality. Type III	h as goethite, limonite and or variations. However, due the material, chrysoprase is from Western Australia will dendritic inclusions . Any
	Typically included	From translucent to opaque
Deposits -types of rocks	Chalcedony forms from aqueous weathered from rocks (e.g. bathe formation of chalcedony of in weathered volcanic rocks, bound rocks, chalcedony is very rare of from silica-rich hot brines. Chalcedony can complesshow a warty or smooth surface	us silica gel at relatively low temperatures . Silica is often salt) that initially lacked this mineral, and consequently occurred very close to the surface. Chalcedony is found ut also in sedimentary ones. In igneous or metamorphic and forms veins only in cracks that have been leached lacedony is occasionally found as a petrifying agent in stelly fill cavities or as a chalcedony layer of rocks, which e, the so-called botryoidal (ball-shaped) surface which leal. Other forms are thin stalactites and thin, rounded bedony roses. The aliases
Characteristics		n grow to large sizes, up to several meters in length.
of rough stones		d, Australia is considered to be of superior quality.
Main deposits		are found in Myanmar , Poland , Australia (Queensland) posits are found in Indonesia, Russia, Brazil, India, Mexico
Year of discovery		soprase was discovered in ancient times. It was first his book "Naturalis historia".
History	where it was used in tool making known as intaglios, and sealed stone. It was used in differe Christianity, Islam and Buddhish dating back to 7000 BC Chrysoprase appears, like man however its modern translation "The foundations of the city was	can be traced back to 32,000 BC . in central Australia, in The Greeks and Romans carved the stone into cameos, the impressions because the hot wax didn't stick to the interest religious traditions throughout history in Judaism, in Chalcedony stone beads have been found in Turkey by others, in the Bible (or at least its modern translations), may be incorrect: Ils were adorned with all kinds of precious stones. The first and, lapis lazuli the tenth, heliodorus"
	bringing good luck to those bor Contemporary interpretations is variety of chalcedony. However variety of beryl with a golden common Book of Exodus is the ligurion, gems that adorn the breastple translation was Leshem, was ancient times was mined in the was said to be tawny or pale inscribed with the name of their breastplate. Thus, ligurion must have was hard and strong enough to or golden beryl, or heliodorus, the Chrysoprase was traditionally originates from the Apocalypse foundation stone. This tenth for zodiac sign, Capricorn, and the However, the ancient chrysoprareferring to heliodorus instead of	m called a chrysoprase is the twelfth foundation stone, in under the twelfth zodiac sign, Capricorn. Hentify the chrysoprasos gem with chrysoprase, the green et, the ancient chrysoprase, chrysoprasus in Latin, was a color, i.e. heliodorus. The equivalent of chrysoprase in the whose identity is probably the most obscure of the 12 ate of the High Priest, Aaron. Ligurion, whose Hebrew at term used to refer to amber, an organic gem that in region now known as Liguria, in Northern Italy. This gem waxy in color. However, the amber was too soft to be elated tribe, as was done for all the stones on the priest's have referred to a gemstone that resembled amber, but to be worked with. It may have been the yellowish-green that was the gem in question. This designation which mentions a gem called chrysoprason as the tenth andation stone has become the birthstone of the tenth month of December, overlapping in part. Is son was a golden-green variety of beryl. In fact, he was of chalcedony green, which is what the term chrysoprase opprase represents a variety of chalcedony with tonal

variations from light apple green to deep green. This gem does not match the description of the ancient chrysoprase and would more properly be called prase, lacking the gold element that would have otherwise added the prefix "chryso-" to its name.

However, whether today's chrysoprase is the same gem **mentioned in the Apocalypse** is irrelevant. Chrysoprase was considered the **December birthstone in Europe only from the to the 15th century.**

Chrysoprase has been known and used for thousands of years by many different cultures. Archaeologists have discovered **an Egyptian necklace** made of this ancient mineral **dated to 1500 BC.** Archaeological sites in ancient Greece and Rome also contained figurines. In ancient times, it was highly prized for its beauty and purported healing properties.

Archaeological excavations in ancient Mesoamerican civilizations, such as **the Maya and later the Aztecs**, also reveal that chrysoprase was highly prized and used in their artwork and religious ceremonies. Chrysoprase was used to make beads, figurines, and mosaic inlays, and was also carved into masks and other objects.

Chrysoprase commemorates the 18th wedding anniversary!

Name: The term chalcedony (generic name of a variety of cryptocrystalline quartz) derives from the Greek Χαλκηδόνιος (Chalkedonios) or Καλχεδόνιος (Calcedonios), Latinized in Calcedonius; is an ethnonym referring to *Chalcedon* (since this mineral was extracted in the area surrounding Chalcedon), an ancient city of **Bithynia on the Bosphorus** (means, that is, "inhabitant of Chalcedon"). Today, ancient Chalcedon corresponds to Kadıköy, a district of Istanbul. Calcedonio is also a not very frequent name, but still used in Sicily due to the cult of the saint so called (San Calcedonio, martyr venerated above all in Sicily and Malta), whose name day is celebrated on 7 September.

there is also a correlation with the almost coincident Greek term: $Xapkn\delta\dot{o}vio\varsigma$ (Charkedonios), which instead denoted an **inhabitant of Carthage**.

The **name chrysoprase** comes from the Greek "chrysos" (gold) and "prasos" (grass, leek), referring to its emerald green colour.

Other trade names:. "green agate", "green amethyst", "prase" and sometimes the stone of spring or even Venus stone.

Variety: Chrysoprase citrine/lemon (yellowish). Lemon chrysoprase is found in Western Australia. It is a dull pale lime-green color and is actually not a chalcedony at all **but a nickeloan magnesite**.

Attributed properties

The historical significance of chrysoprase has been to **manifest abundance**, **balance the mind and promote spiritual growth**. By many it is seen, due to its bright colour, as **bringer of joy**, **wisdom and new beginnings**. It is also believed to be a powerful stone for the heart chakra, **associated with love**, **compassion and emotional balance**. It is believed to calm, promoting feelings of inner peace and tranquility. Furthermore, it is believed to facilitate self-expression, communication, as well as the encouragement of forgiveness and compassion towards self and others.

Historically, chrysoprase was believed to have the power to **cure diseases of the heart, lungs, and eyes**. In ancient Greece and Rome, it was used for jewelry, seals and other decorative items, as it was believed to have the power to protect the wearer **from nightmares and bring good luck**.

Chrysoprase is also believed to possess grounding and protective properties and is often used as a talisman to **repel negative energies and evil spirits**. It is believed to be a powerful stone for protection, especially **when travelling**, guarding against accidents and negative energies and helping to ensure safety and security.

In recent times, chrysoprase is still used in jewelry making, lapidary work and as a decorative stone. It is also employed as a healing stone, believed to possess grounding and protective properties, and is also used in crystal healing.

Chrysoprase was also highly valued by the ancient Egyptians and was used to create beads, figurines and mosaic inlays. The ancient Persians also believed that chrysoprase had healing powers and that it protected the wearer from evil spirits and brought good luck. The ancient Greeks linked chrysoprase to Aphrodite, the goddess of love. They claimed that better health and relationships could be manifested by charging the stone under a half moon.

Medieval Romanian legends claimed that chrysoprase gave the ability to understand the language of reptiles, based on a local legend. Legend has it that a princess owned

a golden reptile with chrysoprase eyes. A sorcerer told her that if she kept it, she would one day communicate with animals and find wealth. When a famine struck, he tried to feed his people by selling all his joys except the reptile. In her most difficult moment, a real reptile with chrysoprase eyes appeared to her and told her (in reptilian language) to seek help in a river. In fact, the princess discovered a quantity of chrysoprase in Râul Doamnei, enabling her to end the famine and usher in an era of prosperity. In other nations during the Middle Ages, this stone was believed to lose color to indicate poisoning. Some believed that chrysoprase granted freedom if held in the mouth after being accused of a crime. In the 19th century, it became popular as a decorative stone for cameos, snuff boxes and other small items. It was also used for scientific instruments such as microscope plates and bearings for compasses. Its grounding and protective properties, along with its association with emotional balance, self-expression and communication, make it a powerful stone to use in meditation and healing practices. **Today**: Strengthens the liver, **gallbladder**, **bladder**. Represents the earth element. **Planet:** Mercury Month: December, September Zodiac sign: Gemini, Virgo, Libra Chakra: Heart **Treatments** There are no known treatments for chrysoprase. Synthetic There is no known synthetic counterpart to chrysoprase. counterpart Can be Chrysoprase can be confused with other green minerals, such as hematite, malachite confused with and turquoise. To distinguish it from these minerals, a gemological microscope must be used to analyze the inclusions and refractive index. Sometimes a grayish type of chalcedony is dipped in a mixture of water, acid, chromium or nickel compounds, then heated and dried. This will create a green to bluish green material that is sold as chrysoprase. Chromate chalcedony is a green variety of the mineral chalcedony, colored by small amounts of chromium. It is most commonly found in Namibia and Zimbabwe, where it is known as Mtorolite, Mtorodite, or Matorolite. It is also marketed under the trade name Aquapraso. Crosoprase can be used to imitate more precious gems such as imperial jade. **Indicative** Carefully examine the color, luster and internal inclusions of the chrysoprase. This stone gemological features a distinctive apple green hue and may contain inclusions of other minerals. tests Imitations may have different colors or have non-characteristic inclusions. Place the chrysoprase sample over a light source to check if light is passing through the stone. Natural chrysoprase is translucent and allows light to pass through, while imitations may be opaque. Hardness testing only as a last resort (it is potentially destructive) using an awl or needle of different materials. Chrysoprase has a hardness of 6.5-7 on the Mohs scale, so it shouldn't scratch easily. Softer imitations may suffer visible scratches. **Measuring the specific density** of chrysoprase can help identify it correctly. Chrysoprase has a typical density of about 2.6-2.7 g/cm³. Significant differences from this range may indicate different materials. Use a **refractometer** to measure the refractive index of the chrysoprase. This can help distinguish the stone from possible imitations with different refractive indices. Subject the chrysoprase to ultraviolet light to verify its fluorescence reaction. Natural chrysoprase may have weak fluorescence, while imitations may react differently or have no fluorescence at all. Observe the stone under **direct light** and at different angles to evaluate its brightness. Natural chrysoprase may have an internal brightness due to its translucency, while imitations may appear less bright. It is important to note that some gemological tests may require special equipment and specific skills. For an accurate evaluation, it is advisable to consult a professional gemologist or a qualified gemological laboratory. Value (2021) **High:** \$100/ct **Medium:** \$20/c† **Low:** \$2/c† under the carat 1-3 carats 3 carats+ Typical cut The most popular denominations for chrysoprase are briole/drop and trillion. However, most chrysoprase is cut into pearls, cabochons or polished stones. The durability of

	chrysoprase lends itself well to various carving techniques. The chrysoprase carvings			
	include cameos and figurines .			
Famous stones	The "Chrysoprase of Russia" stone, which is a 12.5-carat stone originally from Russia.			
	The "Chrysoprase of Australia" stone, which is a 10 carat stone native to Australia.			
	8-carat stone originally from Brazil.			
Record stones	The largest known chrysoprase stone weighs 1,200 carats. One of the largest historical			
	chrysoprase carvings was a 2nd-century cameo of the Greek god Jupiter. The most			
	expensive known chrysoprase stone sold for US\$100,000 per carat.			