
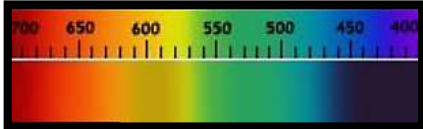



Attention: this version has been completed with Google Translate, it certainly contains errors or inaccuracies.

Data Sheet – General: Väyrynenite

Gemma – names	Italian: väyrynenite English: väyrynenite French: väyrynenite Spanish: väyrynenita Portuguese: väyrynenita Thai: ไวรีนเนไนต์ (vaivinennite) German: Väyrynenit	Arabic: فيافينيت (fiāfīnīt) Russian: Ваюрнеит (vayurnenit) Mandarin: 维亚尔涅尼特 (wéiyǎluónénitè) Swahili: väyrynenite Hindi: वाखाइनेनाइट (vayvīnenīta)	<p style="text-align: center;">photo</p> 
Colors (GIA)	The color range of väyrynenite is light pink to pink-red , salmon pink , pale gray , brown .		
Cause of Color	Causes of Color: The color of väyrynenite is due to the presence of manganese and iron as substituents of magnesium in the structural unit. Manganese gives väyrynenite its pink color, while iron gives väyrynenite a more orange or brown color. Allochromatic Gem		
Classification	Mineral class Phosphate	Species – Group (mineral) väyrynenite -	Variety —
Optical properties	Specific Gravity: 3.25-3.20 Common: 3.22	RE: 1.626-1.667 Polariscope : DR Birefringence: 0.026-27	Optical character Biaxial negative Pleochroism Dichroic: pink to yellow
	Luster (gloss) – lustre of fracture Vitreous - vitreous		Dispersion (fire) 0.030.
Light	Fluorescence SWUV extension (254 nm) : often blue-green. LWUV extension (365nm) : Absent		Phosphorescence /
Form	Crystal clear dress Elongated and striated prismatic crystals; fine-grained aggregates Melting point: 1,200°C	Phenomenal optical effects Nobody	crystalline system Monoclinic prismatic Crystal class
Chemical formula	Hydrated beryllium manganese phosphate (or fluoride) <div style="text-align: center;">MnBe(PO₄)(OH,F)</div>		Spectrometer image  Not indicative
Fracture	Cleavage Perfect {010}, good {100}, fair {001}.	Breaking- Parting Irregular.	Fracture Subconchoidal-irregular
Durability	Hardness (Mohs) - Absolute 5.0-5.5; ...	toughness Fragile	Stability (heat, light, chemicals) Fragile
Clarity-characteristics	Typical inclusions: Väyrynenite is typically included with small inclusions of quartz, garnet and other minerals.		 Incl. di. cuarzo Cristalli neri

	Type III (probably) Typically included	Transparency (commercial) - diaphanousness From transparent to opaque
Deposits -types of rocks	Väyrynenite has been found in granitic pegmatites and in contact metamorphic rocks. Geological age : Up to 4.5 billion years	
Characteristics of rough stones	Väyrynenite roughstones are typically small, up to 6 centimeters in size.	
Main deposits	The main deposits of väyrynenite are found in Finland, Pakistan, China, Kazakhstan, Portugal, Russia, Spain, Sweden, USA and Afghanistan.	
Year of discovery	1954: Väyrynenite was discovered in 1954 in Finland.	
History	<p>Vayrynenite, a gemstone known for its creativity-stimulating properties, was discovered in 1954 by a team of Finnish mineralogists. The name "Vayrynenite" was given in honor of the Finnish geologist Pentti Väyrynen, who contributed to its identification and classification. Initially, the gem aroused interest in the scientific community due to its unique combination of chemical and physical characteristics.</p> <p>During the 1960s and 1970s , Vayrynenite underwent a series of extensive analyzes to evaluate its physical, optical and chemical properties. Gemologists recognized its color tones, with shades ranging from intense red to red-orange, attributing significant value to its lively color range. Its ability to be cut and polished with precision, allowing for gems of varying sizes, made it popular with jewelers seeking unique materials for their creations.</p> <p>In the 1980s and 1990s , Vayrynenite made an appearance in various mineral and gem exhibitions, attracting the attention of collectors, mineral enthusiasts and jewelers. The inclusion of Vayrynenite-containing jewelry in events such as rare gem and exotic mineral exhibitions helped spread awareness of the existence and appreciation of this unique gem.</p> <p>Throughout the 2000s , Vayrynenite gained further notoriety for its use in artistic creations and fine jewelry. Designers and jewelers found innovative ways to incorporate Vayrynenite into their masterpieces, using its vivid coloration and creativity-stimulating properties as a distinctive element.</p> <p>Name : The name väyrynenite comes from the surname of the Finnish mineralogist Heikki Allan Väyrynen (1888-1956).</p> <p>Other Trade Names: There are no other known trade names for väyrynenite.</p> <p>Varieties : There is no recognized variety of väyrynenite.</p> <p>Planet: /</p> <p>Month: / Zodiac sign: /</p> <p>Chakra: Sacral</p>	
Attributed properties	<p>Vayrynenite is intrinsically characterized by creativity and the removal of obstacles that can hinder the creative emanation, in a way that would flow into the benefit and assistance of others. It acts as a stimulus to trust in one's own abilities and in artistic ambitions, also assuming a deeply motivating value. Vayrynenite supports the individual in the renewal of his energies, thus allowing to welcome new and unprecedented conceptions. Its energizing nature is profiled as suitable for increasing and invigorating the creative faculties.</p> <p>Meditation with Natural Vayrynenite is suggested, a tool to assist in order to solicit and instill creativity. Its placement on the desk or inside the pocket facilitates constant access to its life force . In the event of a manufacturing or service provision, it is recommended that this gem be preserved during the design stage. In adopting this approach, it is hoped that it will ignite and inspire what is manifested through the creative act. Vayrynenite, a gem related to the Sacral Chakra, performs its function in catalyzing creativity for humanity , facilitating the presentation of one's talents in a new perspective. Therefore, this gem constitutes an increase in value to one's crystalline collection, as it will trigger and stimulate new cognitive and existential paradigms , concomitant to the manifestation of unprecedented ways of creating and sharing.</p> <p>The therapeutic properties of Vayrynenite are reflected in the increase of creativity , as well as in the facilitation of building trust in creative enterprises. Hand in hand, this gem provides motivation and inspiration to those working in the creative fields , facilitating the recognition of one's inner creativity and a more complete self-expression. In addition, it aims to harmonize and activate the sacral chakra, promoting emotional well-being and vitality.</p>	

	<p>With regard to metaphysical and spiritual properties, Vayrynenite stands as a precious stone for the sacral chakra, associated with creativity, passion and sensuality . Its action consists in balancing and activating the energy center in question, contributing to the emotional well-being and vitality of the individual. The red color of Vayrynenite helps to recall concepts of passion, energy and vitality. It is therefore configured as a valid tool for those who aspire to exploit their creative potential and express themselves more fully both in a professional and personal context.</p>		
Treatments	There are no known treatments for väyrynenite.		
Synthetic counterpart	There is no known synthetic counterpart for väyrynenite.		
Can be confused with	Väyrynenite can be confused with other pink minerals, such as rubellite, spinel and almandine garnet. To distinguish it from these minerals, a gemological microscope must be used to analyze the inclusions and refractive index.		
Indicative gemological tests	Indicative gemological tests for väyrynenite include: Cleavage: Rupture, Mohs Hardness, , Refractive Index, , Dispersion, Fluorescence, Inclusions		
Value (2021)	High: \$/ct 1000 3 carats+	Medium: \$/ct 200 1-3 carats	Low: \$/ct 5-10 under the carat
Typical cut	Väyrynenite is typically cut into simple shapes, such as emerald cut or brilliant cut.		
Famous stones	There are no famous väyrynenite stones.		
Record stones	The largest known väyrynenite stone weighs 2.35 carats . The best known one sold for US\$2,500 per carat .		