



NATURAL SPHENE

SPHENE/TITANITE

"The good substitution for demantoid garnet"

COLOR: yellow, green, brown, orange

DURABILITY:

HARDNESS (Mohs scale):.....5 to 5.5

TOUGHNESS:.....fair to poor

STABILITY:

Heat—Abrupt temperature change may fracture stone.

Light—Stable

Chemical—attacked by acid

CARE and CLEANING:

Type of Cleaning *Advisability*

Ultrasonic cleaning.....risky

Steam cleaning.....never

Warm, soapy water.....safe

MAJOR SOURCES/ORIGINS:

Brazil, Burma, Madagascar, Sri Lanka

OTHER FACTS:

- There is no commercial treatment for sphene.
- The best color sphene is intense green (color by chromium) can look like the best demantoid.
- Sphene has high dispersion (0.051).
- Sphene might have color-change phenomena.



GCI REPORT

2208SPG0085

PRODUCT DESCRIPTION

Identification	Natural Sphene
Species	Sphene
Color	yellowish Green
Cut	Oval Mixed
Carat Weight	2.13 carats
Dimensions	7.86 x 6.68 x 5.36 mm
Enhancement	N/A
GCI Code	2208SPG0085
Comment	The stone has only been tested using standard gemological equipment.

Gemologist

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