

GEMMOLOGICAL REPORT



Report n. **SAMPLE** Milano, 2010-07-09

Units and reference scales

Colour green, transparent
Munsell Unit 5G 5.5/7
Measurements 9.42 x 11.03 mm h 5.31 mm
Shape and cut rectangular (octagonal), step cut

Species NATURAL BERYL

EMERALD

Comments moderate clarity enhancement with resin
F2

Notes //

Weight 4,21 ct

Geographical origin Data and characteristics suggest Colombia

Disclosures herein are conform with the harmonized wording of LMHC (Laboratory Manual Harmonization Committee)

INFORMATION

Wording referred to LMHC Information Sheet # 5

Quantification and identification of filler in fissures

Status:	Report Alpha numeric:	Report text:
No fissures present in the stone		None ¹
No or insignificant filler in fissures		No / Insignificant fissure filling or No / Insignificant indications of clarity enhancement / modification
Quantification and identification of filler in fissures	F1	Minor amount of oil/resin in fissures or Indications of minor clarity enhancement / modification
	F2	Moderate amount of oil/resin in fissures or Indications of moderate clarity enhancement / modification
	F3	Significant amount of oil/resin in fissures or Indications of significant clarity enhancement / modification

¹ Only use if no fissures are observable

For Gem testing Cisgem Lab is equipped with

stereomicroscope

10 X hand loupe

refractometer

Brewster angle meter

spectroscope

balance (precision 0.01 mg)

hydrostatic balance

gauge and micrometer

Munsell colour charts

standardized lightning

UV luminescence unit (LW & SW)

radioactivity testing device

UV-VIS-NIR spectrophotometer

FTIR spectrophotometer

micro Raman

X ray generator

EDXRF spectrometer

SEM-EDS microscope



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