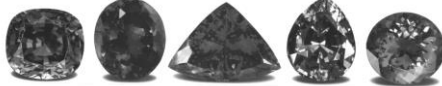


**CUTTING STYLES**



**Cushion   Oval   Triangle   Pear   Round**

**GEMMOLOGICAL SPECIFICATIONS**


<b>Mineral</b>	Quartz
<b>Chem. Composition:</b>	SiO <sub>2</sub>
<b>Specific Gravity</b>	2.66
<b>Hardness</b>	7
<b>Refractive Index</b>	1.544 –1.553
<b>Birefringence</b>	0.009
<b>Fluorescence</b>	Inert
<b>Pleochroism</b>	Weak
<b>Optic character</b>	Uni-axial positive

This certificate is the opinion of the grader at the specific time of inspection. It is not an evaluation. The customer shall have no claim against the grader, its principal, distributor or retailer for any inaccuracies or errors contained herein. Most gemstones are heated to improve their colour.

**GRADER MRS R COURTIS / Dr P PRINS**  
Graduate Gemologist.GIA)

Date.....

**GREEN QUARTZ  
(Preasolite)**



representation only – not the item graded

**GEMMOLOGICAL  
GRADING REPORT**  
No. XQTZ 012

**PRINS & PRINS  
GEMSTONE LABORATORY**

Directors:  
Dr P Prins Ph.D (geochemistry)MBA Stellenbosch  
Mrs Riana Courtis. Graduate Gemmologist (GIA)  
Huguenot House, 66 Loop St. Cape Town RSA  
www.prinsandprins.com  
Member of the S.A Jewellery Council

**GRADING REPORT**

**Identification GREEN QUARTZ (Praesolite)**

**Weight** ..... **4.20 ct** .....

**Dimensions** .... **11.07 x 8.94 – 5.70 mm** ..

**Shape** ..... **OVAL** .....

**Colour Hue** ..... **GREEN** .....

**Tone** ..... **Light** .....

**Saturation** ..... **Medium** .....

**Clarity** ..... **Eye clean** .....

**Cut** ..... **VERY GOOD** .....

**Brilliance** ..... **75 %** .....

**FINAL GRADE**..... **PREMIER** .....

**EXPLANATION OF REPORT**

**WEIGHT** 1 carat = 200mg = 100 points

**COLOUR – has three components:**  
1.Hue: Describes the colour the eye sees. eg. yellowish green  
2.Tone: Indicates to the lightness or darkness of the colour.

Very light	Light	Medium	Dark	Very dark
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3.Saturation: Indicates to the intensity and purity of the colour.

Poor	Medium	Strong	Vivid
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**CLARITY** indicates the amount of internal and external blemishes visible with the trained naked eye

Eye clean	Slightly included	Moderately Included	Heavily Included
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**CUT** describes the quality of the stone's symmetry, its polish and proportions

Very good	Good	Average
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**BRILLIANCE** the percentage of light reflected to the eye in the stone's face-up position

**FINAL GRADE**

Premier plus	Premier	Good	Average	Poor
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