CUTTING STYLES

Cushion   **Oval**   **Triangle**   **Pear**   **Round**

GEMMOLOGICAL SPECIFICATIONS

Mineral	Quartz
Chem. Composition:	SiO_2
Specific Gravity	2.66
Hardness	7
Refractive Index	1.544 –1.553
Birefringence	0.009
Fluorescence	Inert
Pleochroism	Weak
Optic character	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   Dr P Prins Ph.D (geochemistry) MBA Stellenbosch
               Mrs Riana Courtis. Graduate Gemmologist (GIA)

Date…………………………signature…………………………

SMOKY QUARTZ
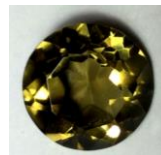
the item graded

GEMMOLOGICAL GRADING REPORT
No. XQTZ 139

PRINS & PRINS
GEMSTONE LABORATORY

Huguenot House, 66 Loop St. Cape Town RSA
www.prinsandprins.com
Member of the S.A Jewellery Council

GRADING REPORT

Identification…… Smoky Quartz …….……..…

Origin ………….…..   NAMIBIA ………………….….

Weight………….….. **4.11 ct** ………………………….

Dimensions … **11.08 x 11.03 – 6.07 mm** ……

Shape …….……..   **ROUND** …………………….…

Colour Hue ……… **Greenish Brown**……………
            Tone ……….. **Medium** ……………….…
            Saturation …… **Medium** ……….………

Clarity ……….………   **Eye Clean** ……….………

Cut …………..……. **VERY GOOD** ….….……...

Brilliance ……….………   **80 %** ……………………...

FINAL GRADE …   **PREMIER PLUS**…….…………

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

3.Saturation: Indicates to the intensity and purity of the colour.

Poor	Medium	Strong	Vivid

CLARITY   indicates the amount of internal and external blemishes visible with the trained naked eye

Eye clean	Slightly included	Moderately Included	Heavily Included

CUT   describes the quality of the stone's symmetry, its polish and proportions

Very good	Good	Average

BRILLIANCE   the percentage of light reflected to the eye in the stone's face-up position

FINAL GRADE

Premier plus	Premier	Good	Average	Poor