**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  MRS R COURTIS  / Dr P PRINS
Graduate Gemmologist.(GIA)

Date………………………………………………….

# SMOKEY QUARTZ



**representation only – not the item graded**

## GEMMOLOGICAL GRADING REPORT
### No. XCI 130
## 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

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## GRADING  REPORT

**Identification** NATURAL SMOKEY QUARTZ

**Weight**…………..    53.07 ct    ………………

**Dimensions**….   23.2 x 21 – 15.9 mm…

**Shape** …………    EMERALD CUT  …………..
**Colour  Hue** ……  YELLOWISH GREY  ……
          **Tone** ………  Medium………………..
          **Saturation**…VIVID…………………

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

**Cut** …………………    VERY GOOD  …………..

**Brilliance** ………………  75%  ……………….

**FINAL GRADE**… PREMIER PLUS  ……………

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### 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 |
|---|---|---|---|---|