

**SOME CUTTING STYLES**



**Cushion    Oval    Triangle    Pear    Round**

**GEMMOLOGICAL SPECIFICATIONS**

<b>Mineral</b>	Zoisite
<b>Chem.Composition:</b>	Ca <sub>2</sub> A <sub>13</sub> O <sub>12</sub> (OH)
<b>Specific Gravity</b>	3.35
<b>Hardness</b>	6-7
<b>Refractive Index</b>	1.691 – 1.700
<b>Birefringence</b>	.008 - .013
<b>Fluorescence</b>	UV light Inert (LW/SW)
<b>Pleochroism</b>	Strong Tri-chroic
<b>Optic character</b>	Bi-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. Please Note: Most gemstones have been heated to improve their colour.

**GRADERS**

Dr Petré Prins Ph.D.(Geochemistry) MBA Stellenbosch.  
Riana Curtis Graduate Gemologist. (GIA)

Date : .....04.08.16.....

**TANZANITE**



representation only - not the item graded

**GEMMOLOGICAL GRADING REPORT**

**No. 4T01054**

**PRINS & PRINS GEMSTONE LABORATORY**



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**Member of the S.A Jewellery Council**

**GRADING REPORT**

**Identification ... NATURAL TANZANITE .....**

**Origin ..... Tanzania - Merelani Hills .....**

**Weight ..... 4.85 ct .....**

**Dimensions..... 12.00 x 9.07 x 5.27 mm .....**

**Shape ..... EMERALD.....**

**Colour Hue ... ..... bV1.....**

**Tone ..... DARK.....**

**Saturation ..... INTENSE.....**

**Clarity ..... LIGHTLY INCLUDED .....**

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

**Brilliance ..... 85% .....**

**Final Grade .....PREMIER .....**

**EXPLANATION OF REPORT**

**WEIGHT:** 1 carat = 200mg = 100 points  
**COLOUR HUE:** "vB" indicates that the colour is predominantly blue, while "bV" indicates that the colour is predominantly violet.

bV1* or vB1* exceptional	bV1 or vB1 = excellent
bV2 or vB2 = very good	bV3 or vB3 = good
bV4 or vB4 = moderate	bV5 or vB5 = light

**TONE:** Describes the degree of darkness or lightness of the colour.

colourless -- light - medium – dark – very dark -- black
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**SATURATION:** Describes the intensity (strength) of the primary colour.

very light - light - moderate - strong - intense - vivid
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**CLARITY:** indicates the amount of internal and external blemishes visible with the trained naked eye

eye clean	slightly included	included
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**CUT:** Describes the quality of the gem's symmetry, polish and proportions.

very good	good	average
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**BRILLIANCE :** The percentage of light reflected to the eye with the stone in the face-up position.

**FINAL GRADE**

PREMIER PLUS – PREMIER – GOOD – AVERAGE - POOR
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