The Certification of Diamonds at the Swiss Gemmological Institute - SSEF

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The Centenary Diamond (273.85 ct)
A De Beers Group Video
Layout

• Grading Reports for Colourless Diamonds
• Reports for Coloured Diamonds
• Quality Control of Small Diamonds
• Conclusion
Diamond certification

Colourless diamond - 4Cs

Download PAS 1048 1 & 2: http://www.beuth.de (only the english version is available)

Swiss Gemmological Institute - SSEF
Diamond certification

CIBJO - The World Jewellery Confederation
Diamond Masterset CIBJO C1
The weight of each diamond is over 1ct
The girdle of each diamond is faceted
Forming your own CIBJO diamond master series

SHAPE AND CUT: Round, brilliant
Forme et taille: rond, brillant

MINIMUM WEIGHT: 0.600 ct (1st generation)
Poids minimum: 0.600 ct (1ère génération)

MINIMUM WEIGHT: 0.300 ct (2st generation)
Poids minimum: 0.300 ct (2ème génération)

HUE: Yellow (Cape series)
Teinte: Jaune (série dite 'Cape')

FLUORESCENCE: None or negligible
Fluorescence: Nulle ou négligeable

GIRDLE: polished or faceted
Rondiste: poli ou facetté

SYMMETRY: Good, Very Good or Excellent
Symétrie: Bonne, très bonne ou excellente

POLISH: Good or Very Good
Poli: Bonne, très bonne ou excellente

PURITY: No coloured, black or otherwise disturbing inclusions
Pureté: Aucune inclusions noires ou gênantes

CROWN HEIGHT: <17%
Proportion de la couronne: <17%

IMPORTANT NOTE: A CIBJO Master diamond defines the lower colour acceptable for a colour grade. For instance, a "G" CIBJO Master Diamond defines the limit between the end of the "G" colour grade and the beginning of the "H" colour grade.

NOTE IMPORTANTE: Un diamant étalon CIBJO définit la plus basse couleur acceptable d'un grade de couleur. Par exemple, un diamant étalon CIBJO "G" définit la limite entre la fin de la couleur "G" et le début de couleur "H".
Diamond certification

Pink Diamond natural colour

Wittelsbach sold $ 24.3 M. at Christie's, 11/2008

Swiss Gemmological Institute - SSEF
Diamond certification

For the Swiss Watch Industry

186 emerald cut diamonds for a total weight of 170 ct
Quality Control of small diamonds

Melees quality control
For the Watch Industry

4Cs:
- Carat
- Colour
- Clarity
- Cut

Clarity control

Colour control
Quality Control of small diamonds

- Master Series for Clarity
- Master Series for Symmetry
- Master Series for Polish

Swiss Gemmological Institute - SSEF
Conclusion

SSEF maintains the highest quality of diamond certification by:

• Keeping the same staff (stability of graders)
• its Research and High Tech Instrumentation
• Working closely to its client needs

Thank you for your attention