



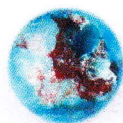
ČESKÁ GEMOLOGICKÁ LABORATOŘ, s.r.o.

*Laboratoř pro identifikaci a certifikaci diamantů, drahých
kamenů a šperků.*

Protocol number: 22-01 382

Date: At Ostrava 19.9.2022

Drilled bead examination



Item: Drilled bead, blue-green (cyan) color on surface, weight 3,65 ct. After owners permission was bead split on two pieces.

Microscopy examination (Zeiss Stemi 2000, gemmological base): in the center is white, finely grained mass (granoblastic structure of marble), towards the surface is evident color penetrated from the surface of bead (artificially dyeing). In the fissures are Fe oxides.

Raman spectroscopy (DXR Raman Microscope, Thermo Scientific, USA, laser 532 nm): calcite

Conclusion: treated calcite (marble) with Fe oxides in fissures. Artificially dyed by blue-green color.

Ing. Jaroslav Jiránek, GG (GIA)

Law expert in Gemstones and Jewellery

