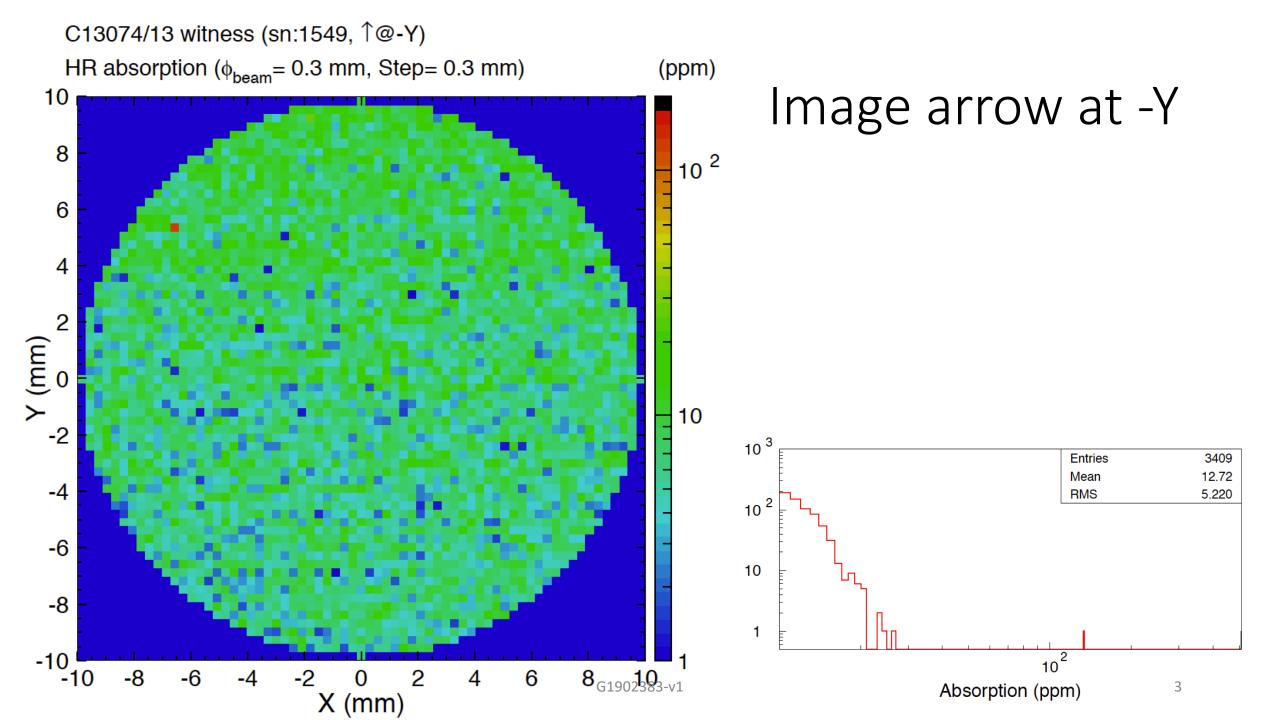
Absorption Test ITM03/11 Witness sample SN1549 LMA Run Reference C13074/13 Microscopy/absorption test/Microscopy Billingsley/Zhang December 2019

HR ITM03/11 Absorber is located in the large circle. Non-absorber in the small circle

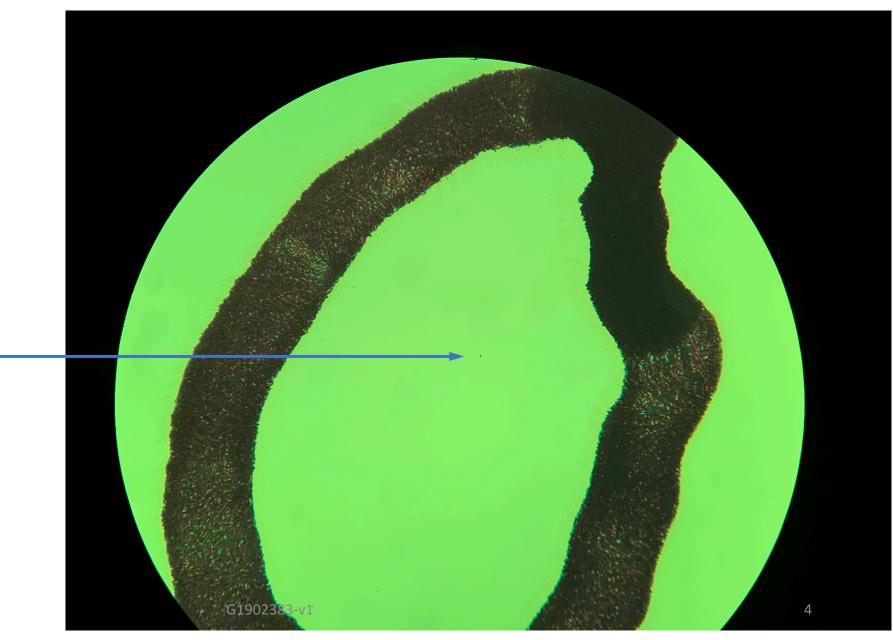
Image S1, Arrow down. SN1549 LMA ref C13074/13 We believe the /13 refers to the position in the coating chamber.

Text is on the container





Close up of absorber circle/position

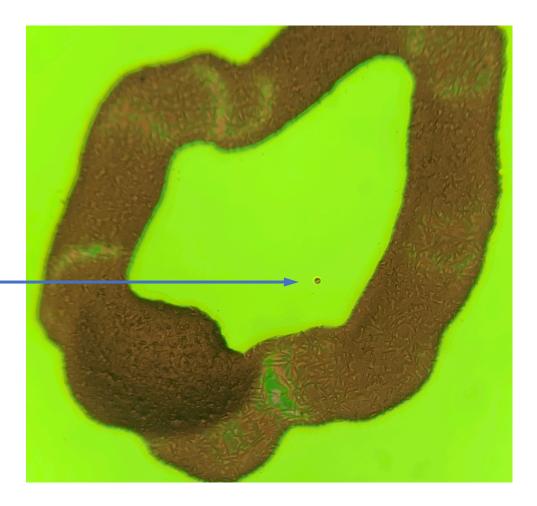


Absorber ~13 μm long

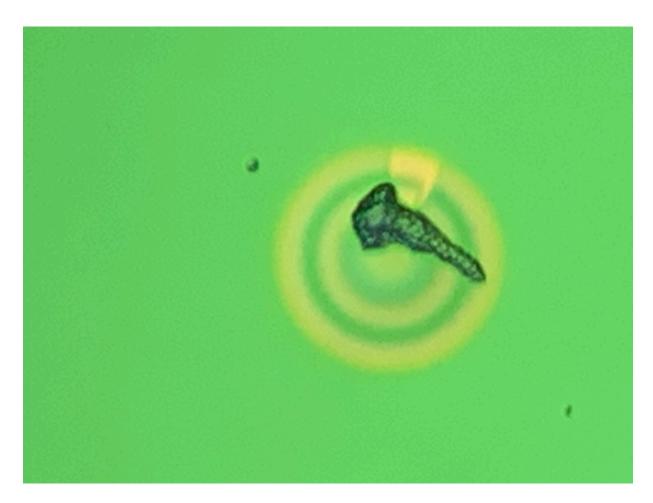


Many other things not absorbing Following are images of things in the scan area that did not register as absorbing.

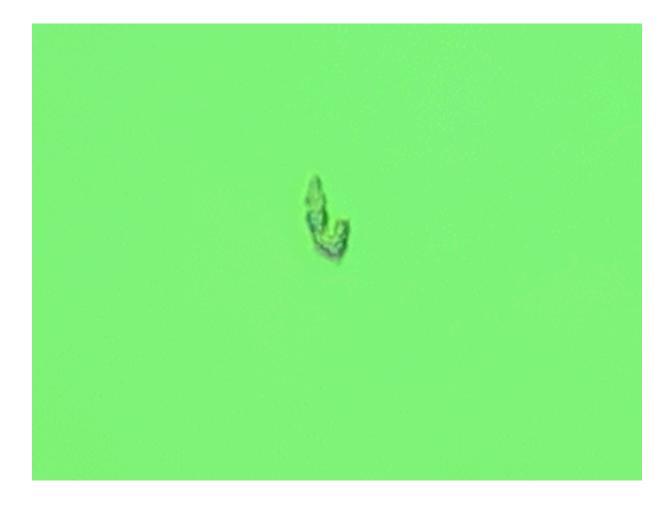
Location of the "bubble" non-absorber inside the smaller circle



Non absorbing roughly 25 μ m long no change in appearance before/after Abs. scan

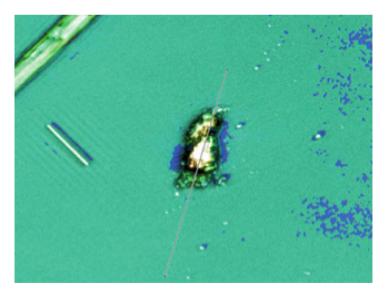


Non Absorbing. Roughly $10\mu m$ long



See G2000212 for micromachining tests.

• Absorber Before



• Absorber after \rightarrow

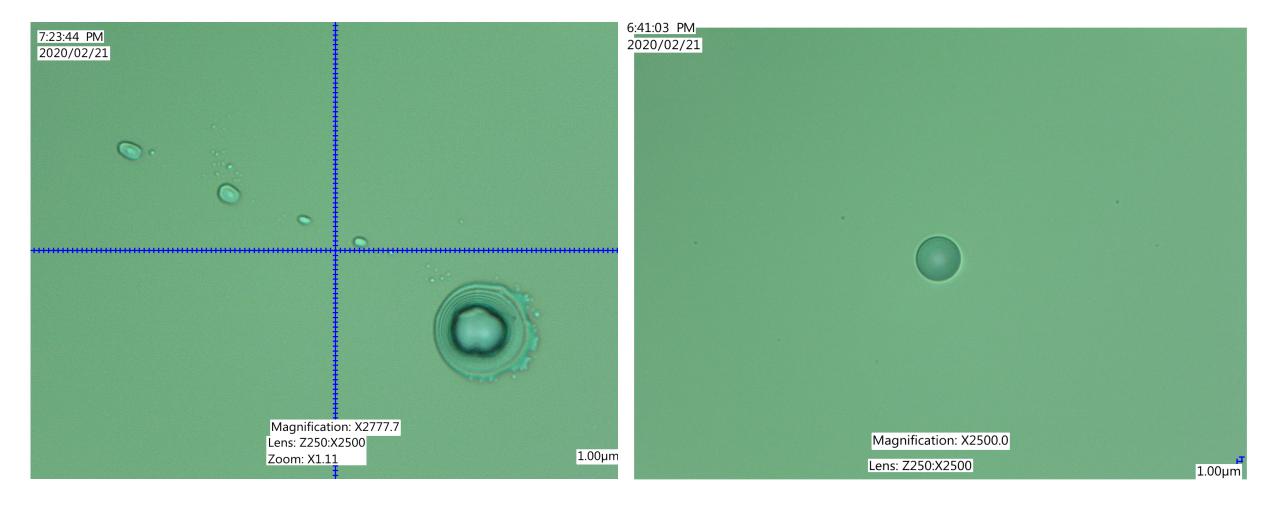
After cleaning with First Contact 2.6650 -4.3118 0.0427 0.1287 0.5067 1.3394 21.672 25.341 -0.7052 -0.9479 dz = 0.5067 μm dL = 21.672 μm 2,4294 1.3987 7.1576 Cursor: dz = 0.5067 μ m dL = 21.672 μ m

Keyence images post ablation on the next slides

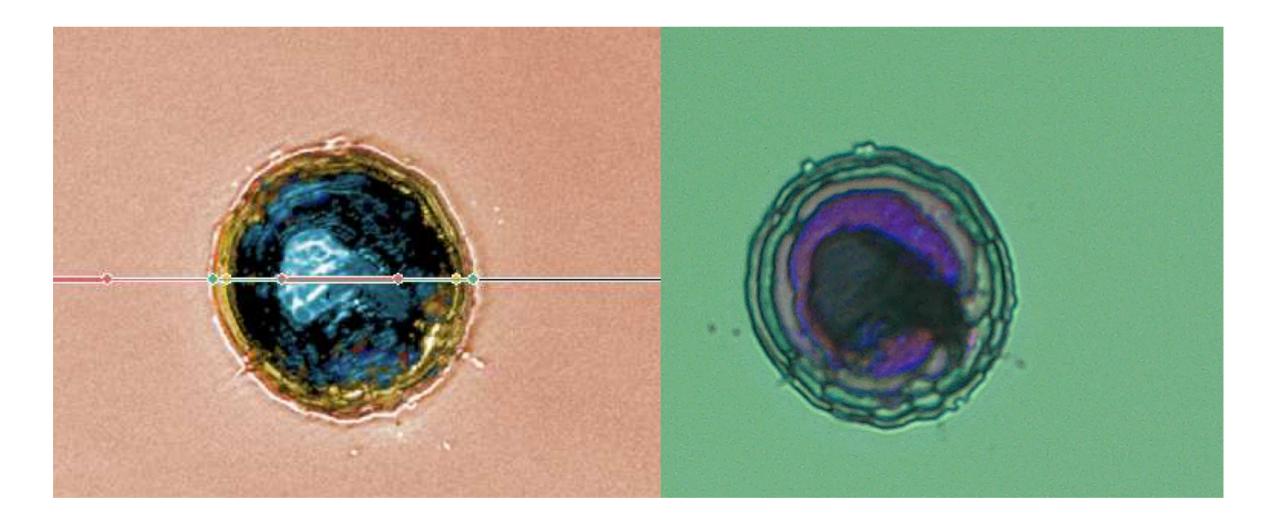
For comparison – do we need a Leica confocal microscope to determine success?



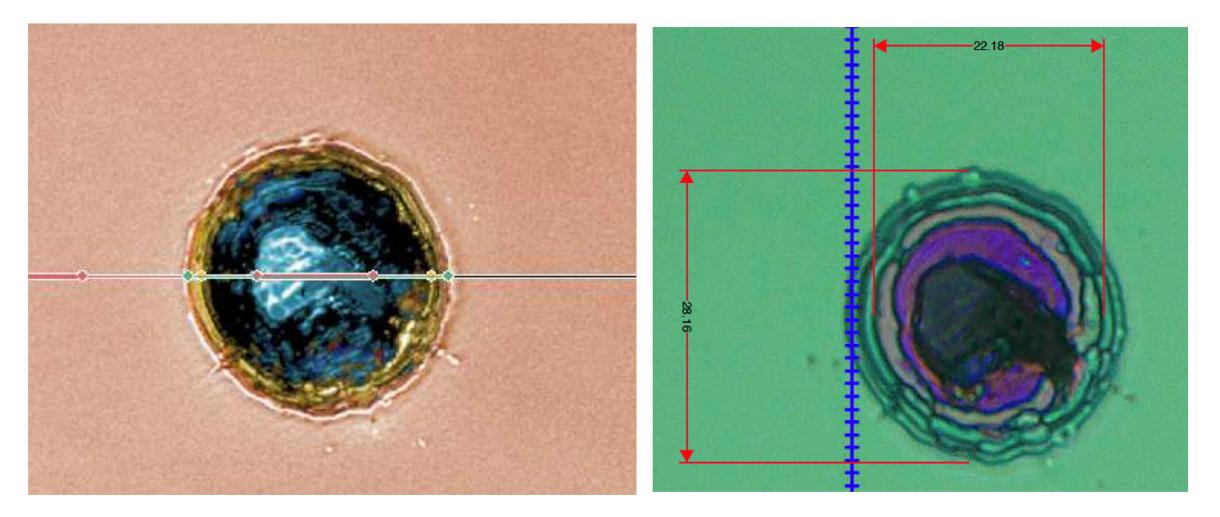
Also found near the arrow



Large spot found in the zone where the absorber was.



21.67 µm green dots, 22.16µm horizontal on Keyence



No surrounding scatter appears in dark field view

