Table S1. ICP-OES parameters for liquid reference measurements.

RF-Power	**1300 W**	
Radial observation height	14 mm	
Cooling gas flow (Ar)	12 L/min	
Nebulizer gas flow (Ar)	0.65 L/min	
Auxiliary gas flow (Ar)	0.4 L/min	
Integration time per replicate	8 s	
Replicates per sample	3	
Purge pump flow rate	1.6 mL/min	
Analysis pump flow rate	0.8 mL/min	
Measured Elements	**Emission line used for quantification [nm]**	**Emission line used for quality control [nm]**
B	249.773 (I)	208.893 (I)
Si	250.690 (I)	288.158(I)
Cr	283.563(II)	284.325(II)

The liquid LOD was calculated by $\frac{3*\sigma}{k}$

Whereas k is the slope of the regression line, and σ is the standard derivation of the blank.

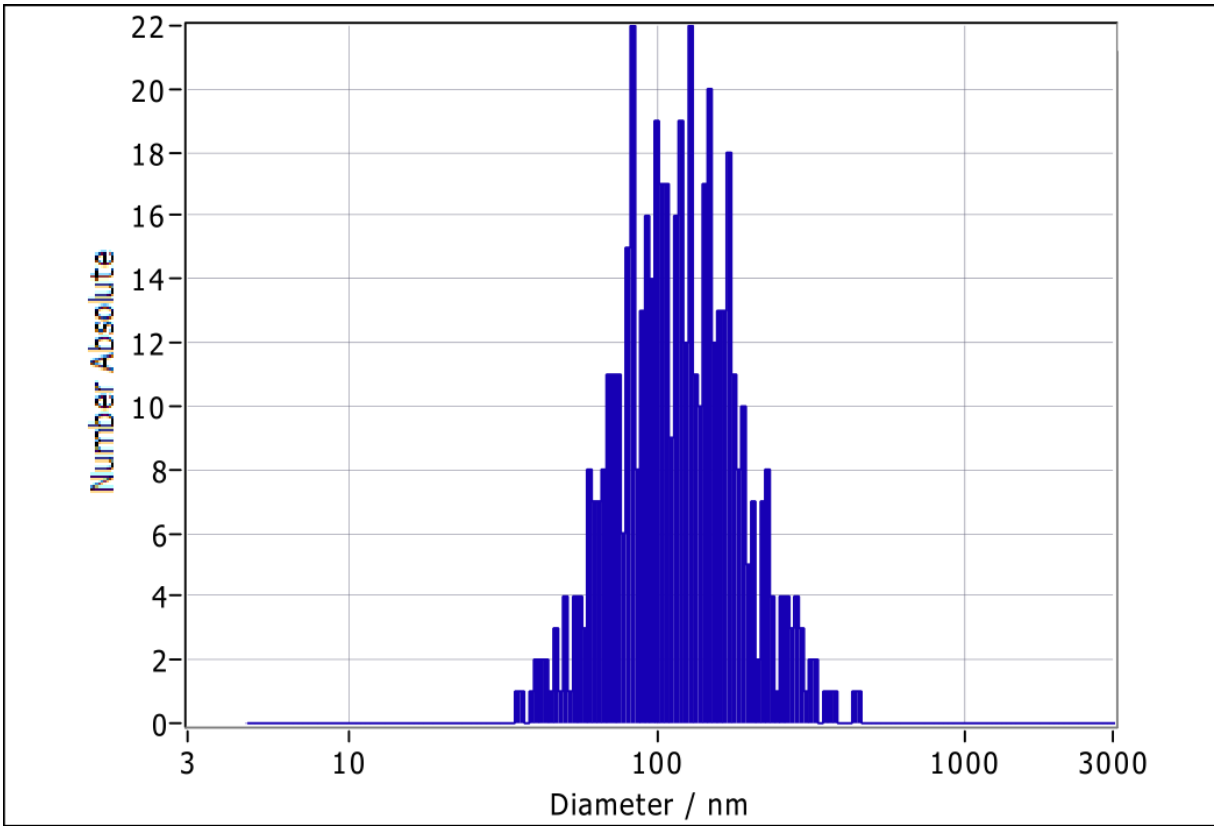

Figure S1. Particle size distribution measurement of the particles generated by online-LASIL