

## CERTIFICATE OF ANALYSIS

Product: Vascupaint™ silicone injection compound for ex vivo microscopy and micro-CT imaging. The kit consists of a first part pigment green 7 dispersion in silicone (200 ml), a second part PDMS diluent (200 ml) and third part catalyst (25 ml).

Trade Name(s): Vascupaint™

Catalog numbers: MDL-122 (dispersion), MDL-121D (diluent), MDL-121C (catalyst)

Lot number: VPG120520

Storage: Store at room temperature

Shelf Life: 1 Year from date of manufacture

Manufacture Date: 29 – January – 2021

### ***Part A: Colloid of Bismuth Dispersed in Silicone***

Appearance: Green

Bismuth concentration: 10% by weight

Viscosity @ 25°C: 30 cPs

### ***Part B: PDMS Diluent***

Appearance: Clear

Viscosity @ 25°C: 30 cPS

### ***Mix ratio for perfusion into non-surviving organism***

Mix 4 ml of part A with 5 ml of Part B. Add 2% catalyst to the mixture.

### ***Viscosity and Gelation Kinetics***

Viscosity starts to increase 25 minutes after mixing and hardening occurs 90 minutes after.

Approved by: \_\_\_\_\_ Date: 30-January-2021