



SHINE is a nuclear technology company working to become the world's leading provider of radioisotopes for nuclear medicine.

## Mo-99 PRODUCT SPECIFICATIONS



Available Soon

Half-life	65.9 hours
Mo-99 Content	≥ 350 mCi / mL
Chemical Form	Sodium Molybdate in 0.2 M NaOH solution
Radiochemical Purity	≥ 95% [Mo-99] and [Tc-99m] of total radioactivity
Radionuclidic Impurities	≤ 1%

- **Faster turnaround** : Have critical isotopes in hand 24-36 hours faster than current sources
- **Less waste** : Dedicated North American supply will greatly reduce product loss due to short half-life, cross-continental transport
- **More reliable** : Fusion-based process reduces reliance on aging reactors
- Will be made in the U.S.A.
- World's highest-capacity, dedicated medical isotope production facility in the world
- Anticipated production beginning late 2023



# The power behind diagnostic medical imaging