

# Certificate of Analysis

## OP-PG305

October 2025

### Product Specifications

Product Name	PEG-MGF (Pegylated Mechano Growth Factor)
CAS Number	108174-48-7
PubChem CID	N/A
Molecular Formula	C <sub>121</sub> H <sub>200</sub> N <sub>42</sub> O <sub>39</sub> + PEG
Molecular Weight	~2867.2 g/mol
Storage	Powder: -20°C 3 years; 4°C 2 years; 15°C 3 months. In solvent: -80°C 6 months; -20°C 1 month; 10°C 1 week

### Test Results

Test	Specification	Result
Appearance	White to off-white lyophilised powder	Conforms
Purity (HPLC)	≥ 98.5%	99.24%
TFA Content	< 0.50%	Conforms

CAUTION: PRODUCT HAS NOT BEEN APPROVED FOR CONSUMPTION. FOR RESEARCH USE ONLY.  
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