

CERTIFICATE OF ANALYSIS

PureCol®

Bovine, Type I Collagen Solution, 3 mg/mL

Catalog No. 5005 Lot No. 7920 Exp Date: March 2022

| <u>Parameter</u> | <u>Specification</u> | <u>Result</u> |
|---------------------------------------|----------------------|---------------|
| Collagen Concentration (mg/mL) | 2.9-3.2 | 3.1 |
| Sterility (USP modified) | No Growth | Pass |
| Endotoxin LAL (EU/ml) | ≤ 1.0 | Pass |
| Gel Formation Tube Test (minutes) | ≤ 40 | Pass |
| Kinetic Gel Test (minutes) | ≤ 40 | Pass |
| Purity – SDS Page Silver Stain | ≥99.9% | Pass |
| pH | 1.9-2.1 | 2.1 |
| Osmolality (mOsm/Kg H ₂ O) | ≤ 35 | 26 |
| Fibrillogenesis (Absorbance Units) | > 0.5 | Pass |
| Young's Modulus E' (Pa) | Characteristic | Pass |
| Electrophoretic Pattern | Characteristic | Pass |

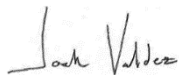


SDS-Page Coomassie Blue:

Lane 1: Standard

Lane 2: PureCol

≥85% collagen contained within alpha, beta, and gamma bands, <15% collagen contained within bands traveling faster than alpha



Authorized Signature

August 12, 2019

Date