

**Certificate of Analysis
GM501 Gradient 90%**

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|-------------------|------------------|
| Batchnumber | GRAD90-2018 |
| Production date | 25 June 2020 |
| Expiry date | 31 December 2021 |
| Total volume (mL) | 14600 |

| | Results | Specifications |
|--|----------------|-----------------------|
| pH | 7,38 | 7,20-7,60 |
| Osmolality | 330 | 320-350 mOsm/kg |
| Bacterial screen | PASSED | PASSED |
| Fungal screen | PASSED | PASSED |
| Endotoxin | < 0,1 | < 0,50 EU/mL |
| Density | 1,1072 | 1.1050-1.1150 g/mL |
| Viscosity in cP (26°C) | 1,61 | < 1,65 cP |
| Sperm survival Test (4 hours exposure) | 100 | ≥ 80 % |
| Sperm survival Test (24 hours exposure) | 97 | ≥ 75 % |

Release date 13 July 2020

Released by Dr. Julia Heinzmann

Signature

p.p. Julia Heinzmann