

## Certificate of Analysis GM501 Gradient 90%

Batchnumber	GRAD90-2131
Production date	29 September 2021
Expiry date	31 March 2023
Total volume (mL)	16000

	Results	Specifications
pH	7,4	7,20-7,60
Osmolality	338	320-350 mOsm/kg
Bacterial screen	PASSED	PASSED
Fungal screen	PASSED	PASSED
Endotoxin	< 0,1	< 0,50 EU/mL
Density	1,1107	1.1050-1.1150 g/mL
Viscosity in cP (26°C)	1,70*	< 1,65 cP
Sperm survival Test (4 hours exposure)	97	≥ 80 %
Sperm survival Test (24 hours exposure)	92	≥ 75 %

*\*The higher viscosity has been accepted based on the output of the performed risk analysis. Therefore, this batch is released under concession. More information on this matter is available upon request.*

Release date	18 October 2021
Released by	Dr. Julia Heinzmann
Signature	

*p.p. Julia Heinzmann*