

**Certificate of Analysis
GM501 Bromelain in Dulbecco's PBS**

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|-------------------|-----------------|
| Batchnumber | BROM-1902 |
| Production date | 02 July 2019 |
| Expiry date | 31 January 2020 |
| Total volume (mL) | 2000 |

| | Results | Specifications |
|-----------------------------|----------------|-----------------------|
| pH | 7,32 | 7,20-7,50 |
| Osmolality | 283 | 270-290 mOsm/kg |
| Bacterial screen | PASSED | PASSED |
| Fungal screen | PASSED | PASSED |
| Endotoxin | < 0,138 | < 0,50 EU/mL |
| Mouse Embryo Assay (1-cell) | 95 | ≥ 80 % |
| Sperm Survival Test | 100 | ≥ 80 % |

Release date 17 July 2019

Released by Dr. Julia Heinzmann

Signature

p.p. Julia Heinzmann