

**ANALYSENZERTIFIKAT**  
CERTIFICATE OF ANALYSIS

|                                                  |                                |                |
|--------------------------------------------------|--------------------------------|----------------|
| <b>Zoom<sup>®</sup> Carrier Ampholytes 4 – 7</b> | <b>Kat.Nr./Cat.No. :</b>       | <b>ZM0022</b>  |
|                                                  | <b>Lot/Contr.No. :</b>         | <b>559053B</b> |
| <b>SERVALYT<sup>®</sup> 4 - 7</b>                | <b>SERVA Kat.Nr./Cat.No. :</b> | <b>42948</b>   |
|                                                  | <b>SERVALot / Contr.No. :</b>  | <b>P120183</b> |

| <b>Parameter</b><br>parameter                              | <b>Methode</b><br>method                                                                                                                                                                              | <b>Spezifikation</b><br>specification | <b>Ergebnis</b><br>result |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------|
| <b>Beschreibung</b><br>description                         | Klare Lösung von Polyamino-polysulfon-polycarboxylsäuren, 40% (w/v) in Wasser, sterilfiltriert<br>Clear solution of polyamino-polysulfonic-polycarboxylic acids, 40% (w/v) in water, sterile filtered |                                       |                           |
| <b>pH</b>                                                  | 2% in H <sub>2</sub> O, RT                                                                                                                                                                            | 5.79 ± 0.4                            | 5.57                      |
| <b>Leitfähigkeit (mS/cm)</b><br>conductivity               | 2% in H <sub>2</sub> O, RT                                                                                                                                                                            | 0.15 - 0.55                           | 0.32                      |
| <b>pH-Bereich</b><br>pH-range                              | IEF <sup>(1)</sup> , 150 µm-Gel, 5°C, 5 000 Vh                                                                                                                                                        | 4.0 ± 0.3 - 7.0 ± 0.4                 | 4.1 – 6.6                 |
| <b>ausgebildeter pH-Gradient (%)</b><br>pH-gradient formed | IEF, 150 µm-Gel, 5°C, 5 000 Vh                                                                                                                                                                        | min. 75                               | 80                        |
| <b>Herstellungsdatum</b><br>manufacture date               |                                                                                                                                                                                                       |                                       | 04/ 2012                  |
| <b>Mindesthaltbarkeit</b><br>minimum shelf life            |                                                                                                                                                                                                       |                                       | 04/ 2015                  |
| <b>Lagerung (°C)</b><br>storage                            |                                                                                                                                                                                                       |                                       | +2 bis/ to +8             |

<sup>(1)</sup> Gelelektrophorese wird auf Standard-Polyacrylamid-Gelen durchgeführt.  
Gel electrophoresis is performed using a standard-polyacrylamide-gel.  
(5% T, 3% C, 4% Servalyt<sup>®</sup>, 0.1% (w/v) APS, 0.078% (w/v) TEMED, standard electrode solution # 42984 and # 42986 )

**Die Eignung des Produktes für spezielle Anwendungszwecke wird nicht zugesichert.**

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**SERVA Electrophoresis GmbH**  
**Qualitätskontrolle/ Quality Control**

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