

---

## CERTIFICATE OF ANALYSIS

---

|                   |                     |                    |             |
|-------------------|---------------------|--------------------|-------------|
| Product:          | OptioBio™40Q 10x100 | Article number(s): | 55 410 011  |
| Lot number:       | 155986              |                    |             |
| Column ID:        |                     |                    | 03          |
| Resin lot number: |                     |                    | 155786      |
| Storage solution: |                     |                    | 20% ethanol |

---

|   | Measured Value | Specification      |
|---|----------------|--------------------|
| Ionic capacity*:                                  | 192 µmol Cl/ml | 180-250 µmol Cl/ml |
| Efficiency:                                       | 7531 N/m       | >6350 N/m          |
| Asymmetry:  | 1,01           | 0.75-1.50          |
| Bed height:                                       | 100 mm         | 100-102 mm         |
| Column backpressure:<br>(at max recommended flow) | 0,06 MPa       | Not specified      |

\*Property measured on resin.

---

|   |  |
|---|--|
| Release date (year-month-day): 2022-08-22 | Expiry date (year-month): 2027-05        |
|   | Manufacturing date (year-month): 2022-07 |

---

This product is manufactured in compliance with our ISO 9001:2015 certified quality system.

Country of origin is Sweden.

Issued (year-month-day): 2022-08-22

By Anna Boman

DocuSigned by:

  
3C2F4EE14561428

Quality Assurance

---