

CERTIFICATE OF ANALYSIS

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|-----------------------|-----------------------------|
| Product: | OptioBio™ 40Q 10x100 |
| Storage solution: | 20% ethanol |
| Article number: | 55 410 011 |
| Column ID: | 153943-02 |
| Resin lot number: | 153921 |
| Manufacturing date: | 2020 JUN 03 |
| Product release date: | 2020 JUN 15 |
| Expire date: | 2023-11 |

| | Measured values | Specifications |
|---|------------------------|-----------------------|
| Ionic capacity | 203 µmol Cl/ml | 180-250 µmol Cl/ml |
| Efficiency | 7989 N/m | > 6350 N/m |
| Asymmetry | 1,12 | 0.75 - 1.50 |
| Column backpressure at max recommended flow (450 cm/h, 6 ml/min, water) | 0,06 MPa | Not specified |
| Bed height | 100 mm | 100 - 102 mm |

This product is manufactured in Uppsala, Sweden. Country of origin is Sweden.

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by



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