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Certificate of Analysis

1.09057.4000Hydrochloric acid c(HCl) = 1 mol/l (1 N) TitriPUR®BatchHC138231

Volumetric solution in accordance to the chapter reagents of the Pharmacopoeia (Ph Eur, JP, USP).

Batch Values

Amount-of-substance concentration

Titer (20 °C)

c(HCl) = 1.000 mol/l +/-0.1% 1.000

This volumetric solution was checked by means of Tris(hydroxymethyl)-aminomethan Merck volumetric standard

The Merck volumetric standard are traceable to the Standard Reference Material 723d of NIST (National Institute of Standards and Technology, USA).

| Date of release (DD.MM.YYYY): | 15.12.2011 |
|----------------------------------|------------|
| Minimum shelf life (DD.MM.YYYY): | 31.12.2014 |

Dr. Stefan Frey

responsible laboratory manager quality control

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