

**Hydrochloric acid**  
**1 mol/l – 1 N, volumetric standard solution**HCl · D 1,016 g/cm<sup>3</sup> · bp >85 °C  
UN no. 1789 · ADR 8 III · WGK 1 **Warning H290****Type analysis**Amount-of-substance conc. (20 °C) ..... 1 mol/l  
±0,2 %

Titer ..... 0,998 - 1,002

Art. No.	Pack Qty.	Pack.
K025.1	1 l	plastic
K025.2	5 l	plastic
K025.3	5 l	ROTI <sup>®</sup> CUBE
K025.4	10 l	ROTI <sup>®</sup> CUBE

For further information see [www.carlroth.com](http://www.carlroth.com)**Hydrochloric acid**  
**1 mol/l – 1 N, volumetric standard solution,**  
**Reag. Ph. Eur.**HCl · D 1,039 g/cm<sup>3</sup> · bp >85 °C  
UN no. 1789 · ADR 8 III · WGK 1 **Warning H290****Type analysis**Amount-of-substance conc. (20 °C) ..... 1 mol/l  
Measurement uncertainty ..... ±0,1 %

Art. No.	Pack Qty.	Pack.
6792.1	1 l	plastic
6792.2	2.5 l	plastic

**Hydrochloric acid**  
**ROTI<sup>®</sup>Volum 1 mol/l – 1 N, volumetric**  
**standard solution**Ampoule for preparation of 1000 ml volumetric  
solution. Improved packaging.HCl · D 1,13 g/cm<sup>3</sup> · bp ~85 °C  
UN no. 1789 · ADR 8 II · WGK 1 **Danger H290-H314-H335****Type analysis**

Titer ..... 0,995 - 1,005

Art. No.	Pack Qty.	Pack.
1YPT.1	1 unit(s)	plastic

**Hydrochloric acid (1,5 N)****Hydrochloric acid**  
**1,5 mol/l – 1,5 N, volumetric standard**  
**solution**HCl · D 1,025 g/cm<sup>3</sup> · bp >85 °C  
UN no. 1789 · ADR 8 II · WGK 1 **Warning H290****Type analysis**Amount-of-substance conc. (20 °C) ..... 1,5 mol/l  
±0,2 %

Titer ..... 0,998-1,002

Art. No.	Pack Qty.	Pack.
222C.1	1 l	plastic

**Hydrochloric acid (2 N)****Hydrochloric acid**  
**2 mol/l – 2 N, volumetric standard solution**HCl · D 1,033 g/cm<sup>3</sup> · bp >85 °C  
UN no. 1789 · ADR 8 II · WGK 1 **Warning H290****Type analysis**Amount-of-substance conc. (20 °C) ..... 2 mol/l  
±0,2 %

Titer ..... 0,998 - 1,002

Art. No.	Pack Qty.	Pack.
T134.4	500 ml	plastic
T134.1	1 l	plastic
T134.2	5 l	plastic
T134.3	5 l	ROTI <sup>®</sup> CUBE

For further information see [www.carlroth.com](http://www.carlroth.com)**Hydrochloric acid (2,5 N)****Hydrochloric acid**  
**2,5 mol/l – 2,5 N, volumetric standard**  
**solution**HCl · D 1,041 g/cm<sup>3</sup> · bp >85 °C  
UN no. 1789 · ADR 8 II · WGK 1 **Warning H290****Type analysis**Amount-of-substance conc. (20 °C) ..... 2,5 mol/l  
±0,2 %

Titer ..... 0,998-1,002

Art. No.	Pack Qty.	Pack.
222E.1	1 l	plastic

**Hydrochloric acid (3 N)****Hydrochloric acid**  
**3 mol/l – 3 N, volumetric standard solution**HCl · D 1,049 g/cm<sup>3</sup> · bp 85 °C  
UN no. 1789 · ADR 8 II · WGK 1 **Warning H290-H315-H319-H335****Type analysis**Amount-of-substance conc. (20 °C) ..... 3 mol/l  
±0,2 %

Titer ..... 0,998-1,002

Art. No.	Pack Qty.	Pack.
1E2E.1	1 l	plastic

**Hydrochloric acid (4 N)****Hydrochloric acid**  
**4 mol/l – 4 N, volumetric standard solution**HCl · D 1,066 g/cm<sup>3</sup> · bp 85 °C  
UN no. 1789 · ADR 8 II · WGK 1 **Warning H290-H315-H319-H335****Type analysis**Amount-of-substance conc. (20 °C) ..... 4 mol/l  
±0,2 %

Titer ..... 0,998 - 1,002

Art. No.	Pack Qty.	Pack.
N076.1	1 l	plastic
N076.2	2.5 l	plastic
N076.3	5 l	plastic
N076.4	10 l	plastic
N076.5	25 l	plastic

For further information see [www.carlroth.com](http://www.carlroth.com)**Hydrochloric acid (5 N)****Hydrochloric acid**  
**5 mol/l – 5 N, volumetric standard solution**HCl · D 1,082 g/cm<sup>3</sup> · bp 85 °C  
UN no. 1789 · ADR 8 II · WGK 1 **Warning H290-H315-H319-H335****Type analysis**Amount-of-substance conc. (20 °C) ..... 5 mol/l  
±0,2 %

Titer ..... 0,998-1,002

Art. No.	Pack Qty.	Pack.
1E2C.1	1 l	plastic

**Hydrochloric acid (6 N)****Hydrochloric acid**  
**6 mol/l – 6 N, volumetric standard solution**HCl · D 1,098 g/cm<sup>3</sup> · bp 85 °C  
UN no. 1789 · ADR 8 II · WGK 1 **Warning H290-H315-H319-H335****Type analysis**Amount-of-substance conc. (20 °C) ..... 6 mol/l  
±0,2 %

Titer ..... 0,998 - 1,002

Art. No.	Pack Qty.	Pack.
0281.1	1 l	plastic

For further information see [www.carlroth.com](http://www.carlroth.com)**Hydrochloric acid (10 N)****Hydrochloric acid**  
**10 mol/l – 10 N, volumetric standard**  
**solution**HCl · D 1,18 g/cm<sup>3</sup> · mp -26 °C  
UN no. 1789 · ADR 8 II · WGK 1 **Danger H290-H314-H335****Type analysis**Amount-of-substance conc. (20 °C) ..... 10 mol/l  
±0,2 %

Titer ..... 0,998-1,002

Art. No.	Pack Qty.	Pack.
0226.1	1 l	plastic

For further information see [www.carlroth.com](http://www.carlroth.com)**Hydrochloric acid in ethanol**UN no. 2924 · ADR 3 (8) II · WGK 1  
 **Danger H225-H290-H319****Hydrochloric acid in ethanol**  
**(0.1 N)****Hydrochloric acid in ethanol**  
**0,1 mol/l – 0,1 N, volumetric standard**  
**solution**D 0,8 g/cm<sup>3</sup> · mp -114 °C · bp 78 °C · flp 13 °C**Type analysis**Amount-of-substance conc. ..... 0,1 mol/l ±0,3 %  
Titer ..... 0,997-1,003The titer decreases steadily, therefore we  
recommend a titer determination immediately  
before use.