|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| zuur | zuur | pKa-waarde | *c* (mol/l) | pH | *c* (mol/l) | pH | *c*(mol/l) | pH | *c*(mol/l) | pH |
| HCOOH | Methaanzuur | 3.74 | 0.01 | 2.90 | 0.1 | 2.38 | 0.5 | 2.02 | 1 | 1,87 |
| NH4+ | Ammoniumion | 9.25 – 23.00 | 0.01 | 5.62 | 0.1 | 5.12 | 0.5 | 4.87 | 1 | 4.62 |
| HCN | Waterstofcyanide | 9.40 | 0.01 | 5.70 | 0.1 | 5.20 | 0.5 | 4.85 | 1 | 4.70 |
| H3BO3 | Boorzuur | 9.24 – 12.74 | 0.01 | 5.62 | 0.1 | 5.12 | 0.5 | 4.77 | 1 | 4.62 |
| HBr | Waterstofbromide | -6.00 | 0.01 | 2.00 | 0.1 | 1.00 | 0.5 | 0.30 | 1 | 0.00 |
| HCl | Waterstofchloride | -3.00 | 0.01 | 2.00 | 0.1 | 1.00 | 0.5 | 0.30 | 1 | 0.00 |
| C6H8O7 | Citroenzuur | 3.13 – 4.76 -5.38 | 0.01 | 2.62 | 0.1 | 2.08 | 0.5 | 1.72 | 1 | 1.57 |
| H2PO4- | diwaterstoffosfaation | 7.21 – 12.32 | 0.01 | 4.61 | 0.1 | 4.10 | 0.50 | 3.76 | 1 | 3.60 |
| CH3COOH | azijnzuur | 4.76 | 0.01 | 3.39 | 0.1 | 2.88 | 0.50 | 2.53 | 1 | 2.38 |
| HF | waterstoffluoride | 3.14 | 0.01 | 2.63 | 0.1 | 2.09 | 0.50 | 1.73 | 1 | 1.58 |
| C4H4O4 | fumaarzuur | 3.00 – 4.50 | 0.01 | 2.56 | 0.1 | 2.02 | 0.50 | 1.66 | 1 | 1.51 |
| HCO3- | carbonaation | 10.40 | 0.01 | 6.19 | 0.1 | 5.70 | 0.50 | 5.35 | 1 | 5.20 |
| HPO42- | waterstoffosfaation | 12.32 | 0.01 | 6.30 | 0.1 | 6.62 | 0.50 | 6.30 | 1 | 6.16 |
| HSO4- | waterstofsulfaation | 1.92 | 0.01 | 2.19 | 0.1 | 1.53 | 0.50 | 1.14 | 1 | 0.98 |
| HS- | waterstofsulfideion | 14.00 | 0.01 | 7.00 | 0.1 | 6.98 | 0.50 | 6.91 | 1 | 6.85 |
| HSO3- | waterstofsulfietion | 7.20 | 0.01 | 4.60 | 0.1 | 4.10 | 0.50 | 3.75 | 1 | 3.60 |
| H3O+ | hydroniumion | -1.74 | 0.01 | 2.00 | 0.1 | 1.00 | 0.50 | 0.30 | 1 | 0.01 |
| HClO | waterstofhypochloriet | 7.25 | 0.01 | 4.63 | 0.1 | 4.13 | 0.50 | 3.78 | 1 | 3.62 |
| HI | waterstofjodide | -8 | 0.01 | 2.00 | 0.1 | 1.00 | 0.50 | 0.30 | 1 | 0.00 |
| H2CO3 | waterstofcarbonaat | 6.52 – 10.40 | 0.01 | 4.26 | 0.1 | 3.76 | 0.50 | 3.41 | 1 | 3.26 |
| H2C2O4 | appelzuur | 2.83 – 5.85 | 0.01 | 2.50 | 0.1 | 1.94 | 0.50 | 1.58 | 1 | 1.42 |
| H2C2O4 | oxaalzuur | 1.42 – 4.21 | 0.01 | 2.08 | 0.1 | 1.34 | 0.50 | 0.92 | 1 | 0.75 |
| HClO4 | perchloorzuur | -9.00 | 0.01 | 2.00 | 0.1 | 1.00 | 0.50 | 0.30 | 1 | 0.00 |
| H3PO4 | fosforzuur | 1.96 – 7.21 – 12.32 | 0.01 | 2.20 | 0.1 | 1.55 | 0.50 | 1.16 | 1 | 1.00 |
| HNO3 | salpeterzuur | -1.32 | 0.01 | 2.00 | 0.1 | 1.00 | 0.50 | 0.31 | 1 | 0.02 |
| HNO2 | salpeterigzuur | 3.34 | 0.01 | 2.72 | 0.1 | 2.18 | 0.50 | 1.83 | 1 | 1.67 |
| HCl | zoutzuur | -3.00 | 0.01 | 2.00 | 0.1 | 1.00 | 0.50 | 0.30 | 1 | 0.00 |
| H2SO4 | zwavelzuur | -3.00 – 1.92 | 0.01 | 1.84 | 0.1 | 0.96 | 0.50 | 0.29 | 1 | 0.00 |
| H2S | waterstofsulfide | 6.95 – 14.00 | 0.01 | 4.48 | 0.1 | 3.98 | 0.50 | 3.63 | 1 | 3.47 |
| H2SO3 | waterstofsulfiet | 1.92 – 7.20 | 0.01 | 2.19 | 0.1 | 1.53 | 0.50 | 1.14 | 1 | 0.98 |