***Зависимость плотностей водных растворов кислот, аммиака от концентрации (при температуре 200С)***

**Растворы хлористоводородной кислоты**

Таблица 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| % | ρ | % | ρ | % | ρ |
| 0,0 | 0,9982 | 14,0 | 1,0675 | 28,0 | 1,1392 |
| 1,0 | 1,0032 | 15,0 | 1,0725 | 29,0 | 1,1443 |
| 2,0 | 1,0082 | 16,0 | 1,0776 | 30,0 | 1,1493 |
| 3,0 | 1,0132 | 17,0 | 1,0827 | 31,0 | 1,1544 |
| 4,0 | 1,0181 | 18,0 | 1,0878 | 32,0 | 1,1593 |
| 5,0 | 1,0230 | 19,0 | 1,0929 | 33,0 | 1,1643 |
| 6,0 | 1,0279 | 20,0 | 1,0980 | 34,0 | 1,1691 |
| 7,0 | 1,0327 | 21,0 | 1,1031 | 35,0 | 1,1741 |
| 8,0 | 1,0376 | 22,0 | 1,1083 | 36,0 | 1,1789 |
| 9,0 | 1,0425 | 23,0 | 1,1135 | 37,0 | 1,1837 |
| 10,0 | 1,0474 | 24,0 | 1,1187 | 38,0 | 1,1885 |
| 11,0 | 1,0526 | 25,0 | 1,1239 | 39,0 | 1,1933 |
| 12,0 | 1,0576 | 26,0 | 1,1290 | 40,0 | 1,1980 |
| 13,0 | 1,0624 | 27,0 | 1,1342 |  |  |

**Значения α**

Таблица 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ρ*t* | α | ρ*t* | α | ρ*t* | α |
| 1,0000 | 0,00021 | 1,0600 | 0,00036 | 1,1200 | 0,00052 |
| 1,0200 | 0,00026 | 1,0800 | 0,00041 | 1,1400 | 0,00057 |
| 1,0400 | 0,00031 | 1,1000 | 0,00046 | 1,1600 | 0,00064 |
|  |  |  |  | 1,1800 | 0,00070 |