ERITMALAR KONSENTRATSIYALARINI ALMASHTIRISH (O'TISH)

Konsentratsiya	$C_{\%}$ 100 gr eritmadagi eruvchi massasi	S 100 gr eruvchidagi eruvchi massasi	C_{ML} 1000 gr eruvchidagi eruvchi moli	C_T 1 ml eritmadagi eruvchi massasi	C_M 1000 ml eritmadagi eruvchi moli	C_N 1000 ml eritmadagi eruvchi ekv/moli
$C_{\%}$ Eritma(g)_ _tuz(g) 100 _ _ _ _ _ x =	$C_{\%} = \frac{A \cdot 100\%}{E}$	$S = \frac{100 \cdot \omega\%}{100 - \omega\%}$	$C_{ML} = \frac{C_{\%} \cdot 1000}{Mr \cdot (100 - C_{\%})}$	$C_T = \frac{C\% \cdot \rho}{100}$	$C_M = \frac{C\% \cdot \rho \cdot 10}{Mr}$	$C_N = \frac{C\% \cdot \rho \cdot 10}{Ekv}$
S Erituvchi(g) _ tuz(g) 100 _ _ _ _ _ x =	$C_{\%} = \frac{100 \cdot S}{100 + S}$	$S = \frac{A \cdot 100}{B}$	$C_{ML} = \frac{S \cdot 10}{Mr}$	$C_T = \frac{S \cdot \rho}{100 + S}$	$C_M = \frac{S \cdot \rho \cdot 1000}{Mr \cdot (100 + S)}$	$C_M = \frac{S \cdot \rho \cdot 1000}{Ekv \cdot (100 + S)}$
C_{ML} Erituvchi(ml) _ tuz(mol) 1000 _ _ _ _ _ x =	$C_{\%} = \frac{C_M \cdot Mr \cdot 100}{1000 + (C_M \cdot Mr)}$	$S = \frac{C_{ML} \cdot Mr}{10}$	$C_{ML} = \frac{A \cdot 1000}{Mr \cdot B}$	$C_T = \frac{C_{ML} \cdot Mr \cdot \rho}{C_{ML} \cdot Mr + 1000}$	$C_M = \frac{C_{ML} \cdot \rho \cdot 1000}{C_{ML} \cdot Mr + 1000}$	$C_M = \frac{C_{ML} \cdot n \cdot \rho \cdot 1000}{C_{ML} \cdot Mr + 100}$
C_T Eritma(ml)_ _tuz(g) 1 _ _ _ _ _ x =	$C_{\%} = \frac{C_T \cdot 100}{\rho}$	$S = \frac{C_T \cdot 100}{\rho - C_T}$	$C_{ML} = \frac{C_T \cdot 1000}{Mr \cdot (\rho - C_T)}$	$C_T = \frac{A}{V(ml)}$	$C_M = \frac{C_T \cdot 1000}{Mr}$	$C_N = \frac{C_T \cdot 1000}{Ekv}$
C_M Eritma(ml)_ _tuz(mol) 1000 _ _ _ _ _ x =	$C_{\%} = \frac{C_M \cdot Mr}{\rho \cdot 10}$	$S = \frac{C_M \cdot Mr \cdot 100}{\rho \cdot 1000 - C_M \cdot Mr}$	$C_{ML} = \frac{C_M \cdot 1000}{\rho \cdot 1000 - C_M \cdot Mr}$	$C_T = \frac{C_M \cdot M}{1000}$	$C_M = \frac{A \cdot 1000}{Mr \cdot V}$	$C_M = C_N \cdot n$
C_N Eritma(ml)_ _tuz(ekv/mol) 1000 _ _ _ _ _ =	$C_{\%} = \frac{C_N \cdot Ekv}{\rho \cdot 10}$	$S = \frac{C_N \cdot Ekv \cdot 100}{\rho \cdot 1000 - C_N \cdot Ekv}$	$C_{ML} = \frac{C_N/n \cdot 1000}{\rho \cdot 1000 - C_N \cdot Ekv}$	$C_T = \frac{C_N \cdot Ekv}{1000}$	$C_M = C_N/n$	$C_N = \frac{A \cdot 1000}{Ekv \cdot V}$

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GRAND^{RM} – Kimyo fani o'qituvchisi

@grandrm

$E/V=\rho$ $\rho \cdot V=E$ $E/\rho=V$ $mol \cdot n = ekv\ mol$ $ekv\ mol/n = mol$ $Mr/n = ekv\ massa$

A – eruvchi massasi Mr – eruvchining molekulyar massasi Ekv – eruvchi ekvivalent massasi

n – eruvchi negizi B – erituvchi massasi V – eritma hajmi E – Eritma massas p – eritma zichligi