




PKA's

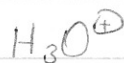
functionele groep	norm	waarde
aldehyde	$R - \overset{\overset{O}{\parallel}}{C} - H$	15 ± 10
alcohol	$R - OH$	15
phenol + alcohol	 - OH	10
carboxylic acid	$R - \overset{\overset{O}{\parallel}}{C} - OH$	5
alkane	$R - CH_3$	50
phenol + alkane	 - CH ₃	40
ester	$CH_3O - \overset{\overset{O}{\parallel}}{C} - CH_3$	25
keton	$R - \overset{\overset{O}{\parallel}}{C} - CH_3$	20
diketon	$R - \overset{\overset{O}{\parallel}}{C} - CH_2 - \overset{\overset{O}{\parallel}}{C} - R$	10
primaire amine	$R - NH_2$	40
phenol + amine	 - NH ₂	25
primaire amide	$R - \overset{\overset{O}{\parallel}}{C} - NH_2$	15
ammonium	NH_3	35

fluoride	HF	0-5
chloride	HCl	-5-10
bromide	HI	-10
sulfide	HSH	10
selenide	HSeH	5
telluride	HTEH	0-5
sp ³		80
sp ²	$\begin{array}{c} R - \quad R \\ \backslash \quad / \\ C = C \\ / \quad \backslash \\ R \quad R \end{array}$	45
sp	$R \equiv R$	25
	I-CH ₂ COOH	0-5 v
	Br-CH ₂ COOH	0-5 v
	Cl-CH ₂ COOH	0-5 v
	F-CH ₂ COOH	0-5 v
	$\begin{array}{c} Cl \\ \diagup \\ Cl - C - CH_2COOH \\ \diagdown \\ Cl \end{array}$	0

perfluorinated alcohol



-2.5



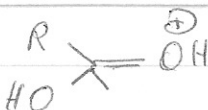
-1.4

perfluorinated ether



+3.5

perfluorinated carboxylic acid



-6

perfluorinated ketone



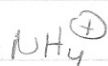
-9

perfluorinated amine



10

ammonium



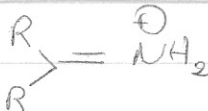
10

ketimine



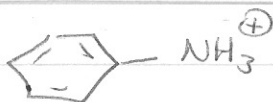
9

perfluorinated nitrile



-10

perfluorinated amine + phenol



5

ether



40