

The following table summarizes values of Hamaker constants for different systems measured at Beaudoin's group:

Medium System	Air (10^{-20} J)	Water (10^{-20} J)	IPA (10^{-20} J)
Si ₃ N ₄ -Cu	22.5	5	--
Si ₃ N ₄ -Au	32.5	14	--
Si ₃ N ₄ -CrO _x N _y	30	6.5	0.8
Si ₃ N ₄ -Ru	11	2.75	0.6
Si ₃ N ₄ -TaN	10	5	1-1.5
Si ₃ N ₄ -SiO ₂	27.5	6	--
Si ₃ N ₄ -Quartz	20	9.5	0.4
Si ₃ N ₄ -MoSi	30	--	0.5
SiO ₂ -CrO _x N _y	50	--	1-1.5
SiO ₂ -Ru	10-27.5	--	1
SiO ₂ -TaN	20	--	1.5-2
SiO ₂ -Quartz	35	--	0.5
SiO ₂ -MoSi	20	--	1
Ag-Ag	38.2	--	--
Cu-Cu	27.3	--	--
SiO ₂ -SiO ₂	7.2	--	--
Ag-Cu	32.6	--	--
Ag-SiO ₂	12.92	--	--
Ag-TiN	16.4	--	--
Ag-PTFE	13.7	--	--
Ag-Parylene-n	11.8	--	--
Ag-Cross linked Parylene-n	12.1	--	--
Cu-SiO ₂	14.1	--	--
Cu-TiN	12.3	--	--
Cu-PTFE	13.1	--	--
Cu-Parylene-n	9.8	--	--
Cu-Cross linked Parylene-n	11	--	--
SiO ₂ -TiN	8.8	--	--
SiO ₂ -PTFE	7.6	--	--
SiO ₂ -Parylene-n	6.8	--	--
SiO ₂ -Cross linked Parylene-n	6.9	--	--

† Hamaker constants for most of the pharmaceutical particles are on the order of 10^{-19} - 10^{-20} J (e.g. 7.2×10^{-20} J for lactose particle*). Hamaker constant for phama-particles can also be measured in the same way using AFM as for other systems presented above.

* Literature value