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BET Monolayer moisture (% d.b.)	Decreased with moisture increase	4.87 ±0.91%	4.87 ±0.72%	3.74 ±1.43 %
Net isosteric heat of sorption (kJ·mol ⁻¹)	Reduced exponentially with moisture increase	2.77	1.56	2.99
Differential entropy (J·mol ⁻¹ ·K ⁻¹)	Reduced exponentially with moisture increase	7.79	4.22	8.81
Spreading pressure (J·m ⁻²)	Increased with water activity increase and decreased with temp.	0.74 ±0.33%	0.71 ±0.31%	0.65 ±0.38%
Net integral enthalpy (kJ·mol ⁻¹)	Increased, reached maximum and decreased with moisture increase	8.34 ±3.58%,	5.58 ±2.31%	10.30 ±7.67%
Net integral entropy (J·mol ⁻¹ ·K ⁻¹)	Decreased, reached minimum and increased with moisture increase	-24.84 ±10.58%,	-15.83 ±6.36%	-32.36 ±23.79%,





