LIST OF ABBREVIATIONS/SYMBOLS

Definition	Abbreviation/Symbol
Absorbance	A
Absorptivity	ε
Aggregation number	N_{agg}
Alkyl chain length	*m*
P, P'-1,4-butanedieyl, P, P'-didodecyl ester, disodium salt	12-4-12 A
Camphor: thymol: menthol (1:1:1)	CTM111
Cetyltrimethylammonium bromide	CTAB
Cetyl pyridinium chloride	CPC
ChCl: Ethylene glycol (1:2)	Ethaline
ChCl: Glycerol (1:2)	Glyceline
ChCl: Urea: Glycerol (1:1.5:0.5)	CUG-1
ChCl: Urea: Glycerol (1:1:1)	CUG-2
ChCl: Urea (1:2)	Reline
ChCl: Water (1:2, 1:3, 1:4, 1:5)	Aquolines
Chemical shifts	δ
Choline chloride	ChCl
Cloud point	CP
Cloud point extraction	CPE
Cloud point extraction methodology	CPEM
Concentration	[ ]
Contact angle	Θ
Critical micelle concentration	CMC
Curcumin	CCM
Deep eutectic solvents	DES
Degrees Celsius	°C
Degrees Kelvin	K
Density	ρ
Deuterium oxide	D_2O

Dodecyl trimethyl ammonium bromide	DTAB
Eutectic solvent	ES
Fourier transform infrared spectroscopy	FTIR
Glyceline	Gly
Hydrogen-bond acceptor	HBA
Hydrogen-bond donor	HBD
Hydrophilic deep eutectic solvents	HPLDES
Hydrophobic deep eutectic solvents	HPBDES/HDES
Intensity	I
Ionic liquids	ILs
Liquid-liquid phase separation	LLPS
Lower consolute solution temperature	LCST
Maximum wavelength	λ_{max}
Molar concentration of the quencher	C_q
Molar concentrations of the micellar concentration	C_m
Molar concentrations of the total surfactant concentration	C_s
Natural deep eutectic solvents	NADES
Nuclear Magnetic Resonance	NMR
Packing parameter	P
Phase inversion temperature	PIT
Polarizing optical microscopy	POM
Refractive index	n_D
Relative viscosity	η_r
Shear viscosity	η_s
Small-angle neutron scattering	SANS
Sodium 1-dodecane sulfonate	SDSo
Sodium dodecyl benzene sulfonate	SDBS
Sodium dodecyl sulfate	SDS
Solid-liquid phase diagram	SLPD
Spacer	s
Specific conductance	κ
Stern-Volmer binding constant	K_{sv}
Surface tension	γ

Temperature	T
Ternary DES	TDES
Tetra butyl ammonium bromide	TBAB
Tetra-n-butylammonium counterion	TBA+
Tetradecyl trimethyl ammonium bromide	TTAB
Thymol: menthol (1:1)	TM 11
Thymol: menthol (1:2)	TM12
Thymol: menthol (2:1)	TM21
Triton X-100	TX-100
Upper consolute solution temperature	UCST
Ultraviolet-visible	UV-vis
Volatile organic compound	VOC
Volume	V
Wavelength	λ
Weights	W
X-ray reflectivity	XRR
zero shear viscosity	η_0

*Other abbreviations and symbols are explained in the text.

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