

Article

# Exploring the Utility of Diffusing Wave Spectroscopy (DWS) as a Novel Tool for Early Detection of Stability Issues in Cosmetic Emulsions

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## Supplementary Materials:

**Table S1.** List of symbols and acronyms throughout the text in order of appearance.

Symbols/Acronyms	Meaning
DWS	Diffusing Wave Spectroscopy
MSD	Mean Square Displacement
CAPB	Cocamidopropyl Betaine
SLES	Sodium Lauryl Ether Sulfate
DLS	Dynamic Light Scattering
$g_1(\tau)$	Intensity Auto Correlation Function
$s$	Path Length
$l^*$	Transport Free Mean Path
$l_a$	Absorption Length
$D$	Diffusion Coefficient
SDS	Sodium Dodecyl Sulfate
$\langle \Delta r^2(\tau) \rangle$	Mean Square Displacement
$L$	Path Length, Cuvette Size

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