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Amorphous wall materials properties and degradation of carotenoids in spray dried formulations

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- Spray drying was used to dehydrate emulsions with different wall materials.
- WLF relationship was fitted to glass transition and α -relaxation temperatures.
- Water induced structural variation affected strength of solids (S).
- Systems with carbohydrate-carbohydrate wall materials exhibited higher S .
- Carotenoids degradation depended on S and layer-by-layer interfacial structure.

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