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(54) Title: POLYSACCHARIDE GEL FORMULATION

(57) Abstract: Described herein are polysaccharide gel formulations including at least one inhibitor of polysaccharide degradation and methods of making the same. The methods described herein involve the steps of providing at least one polysaccharide and incorporating at least one inhibitor of degradation into the polysaccharide. In some embodiments, the incorporating step comprises 1) mixing the at least one inhibitor with the at least one polysaccharide at a highly hydrated state thereby encapsulating the at least one inhibitor in a polysaccharide network, and 2) dehydrating the polysaccharide network thereby controlling release kinetics or final swell ratio. In another embodiment, the incorporating step comprises 1) encapsulating at least one inhibitor into a biocompatible or biodegradable vessel and 2) combining the polysaccharide and the vessel into a gel formulation. The polysaccharide gel formulations described herein can be used for a variety of cosmetic applications.



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