



Sodium Alginate

Cat. No. HBB-010

Lot. No. (See product label)

Application	Drug Delivery,Wound Dressing,Tissue Engineering,Food Additive
Description	Sodium alginate is a natural anionic polysaccharide extracted from brown seaweed, composed of mannuronic (M) and guluronic (G) acid blocks. It is well-known for its ability to form ionically crosslinked hydrogels in the presence of divalent cations (like Ca^{2+}) under mild conditions, offering good biocompatibility and biodegradability.
Application Areas	Alginate hydrogels are extensively used for cell encapsulation and immobilization, as wound dressing materials, in drug delivery systems for controlled release, and as scaffolds for tissue engineering, particularly for applications requiring gentle gelation conditions.
Mw	50-100 kDa
CAS	9005-38-3
Storage	25°C
M/G	1:1
Package Size	10g/vial

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

www.matexcel.com/hydrogel

Address: SUITE 210, 17 Ramsey Road, Shirley, NY 11967

Email: info@matexcel.com Tel: 1-631-869-4956 Fax: 1-631-910-2166