



SIGMA-ALDRICH

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Product Information

Alginic acid from brown algae

Product Number **A 7003**

Store at Room Temperature

Replacement for Product Code A2830-9

Product Description

CAS Number: 9005-32-7

Alginic acid is a linear polymer of β -(1 \rightarrow 4)-D-mannosyluronic acid and α -(1 \rightarrow 4)-L-gulosyluronic acid residues, the relative amounts of which vary with the botanical source and the state of maturation of the plant.¹ This product is approximately 61% mannuronic acid and 39% guluronic acid. The molecular weight of this product is approximately 240 kDa.¹ The viscosity of each product is controlled by varying the source of kelp weed and by changing the process of preparation, both of which are proprietary.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in 0.1 M NaOH. It is not water-soluble, unlike the sodium and ammonium/calcium salt forms of this product.

References

1. The Merck Index, 11th ed., Entry # 232.

CMH 5/03

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