

# Sodium Keratan Sulfate

## (Nasal Cartilage)

Code # : AMS.CSR-NAKS2-PNC-3

Size : 3mg/vial

Appearance : white lyophilizate

Source of sodium keratan sulfate : Pig Nasal Cartilage

Outline: Keratan sulfate (KS) is a sulfated glycosaminoglycan composed of repeating disaccharide units of N-acetyl-D-glucosamine (GlcNAc) and Galactose (Gal). KS is abundant in cartilage and cornea, and exists as unbranched polysaccharide chains covalently linked to the protein core of proteoglycans. This product is 1mg lyophilizate of sodium keratan sulfate purified from porcine nasal cartilage. CSR-NaKS2(PNC)1 contains both the disaccharide units with monosulfate structure (6-O-sulfation of GlcNAc) and disulfate structure (6-O-sulfation of GlcNAc and 6-O-sulfation of Gal). The average molecular weight is about 3kDa. This product is not suitable for the standard of cellulose acetate electrophoresis because smear band appears. The enclosed Certification of Analysis lists actual values for product specifications such as a molecular weight.

Handling precautions:

- 1) This product is absorbent. Store avoiding humidity at 4°C or below.
- 2) Store at -20°C or below after dissolution. We recommend storing in aliquots appropriate for anticipated usage.
- 3) This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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