

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

Product No.: GG512000

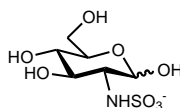
CAS No.: 38899-05-7

Product Name: D-Glucosamine-2-N-Sulfate

Other Names: S0, N-sulfoglucosamine, N-Sulfo-D-Glucosamine sodium salt

Description: A synthetic monosaccharide fragment of Heparan sulfate (HS) and heparin, which are linear sulfated polysaccharides that play essential physiological roles.

Structure:



Formula: C₆H₁₂NNaO₈S

Mol. Wt.: 281.21

Exact Mass: 281.02

CHARACTERIZATION

PROPERTY

OBSERVATION

Appearance & Physical State:

White, solid powder

Proton NMR (D₂O, 400 MHz):

Conforms

Mass Spectrometry (ESI-NEG):

Conforms,
[M-Na] = 258.1
[2M-2Na+H] = 517.2
[2M-Na] = 539.2

Purity (>95% by NMR):

Conforms, >95%

BATCH INFORMATION

Lot No.:

XXXXXXX

Date Prepared:

XXXXXXX

NOTES

1. Store as lyophilized powder at -20 ± 5°C.
2. Keep dry. Allow container and contents to warm to room temperature before opening.
3. Avoid storing product in solutions.