



VORNIA BIOMATERIALS

Certificate of Analysis for Thiol-Modified Hyaluronic Acid

PRODUCT CODE: HA-SH Medium SH

LOT NUMBER: HASH-M SH0116

EXPIRY DATE: 09/2017

Quality Control Analysis

Characteristic	Specification	Result
Degree of substitution for thiolated HA [%]	>60%	65%
Free Thiol Fraction [%]	>60%	62%
Thiol content [mmol/g]	1.2 mmol/g	1.24 mmol/g
Purity [%]	>95%	98%
pH after rehydration in PBS	Neutral (6.5-7.5)	6.7
Appearance	White foam / powder	White foam
Water solubilisation time [min]	Should dissolve within 30 minutes	10 min under vortex

NOTE: This product is packaged in 2 mL clear glass vials under argon. Do not expose to air until use as crosslinking will begin spontaneously.

Name: Sigen A

Signature:

Date: 05.09.2016