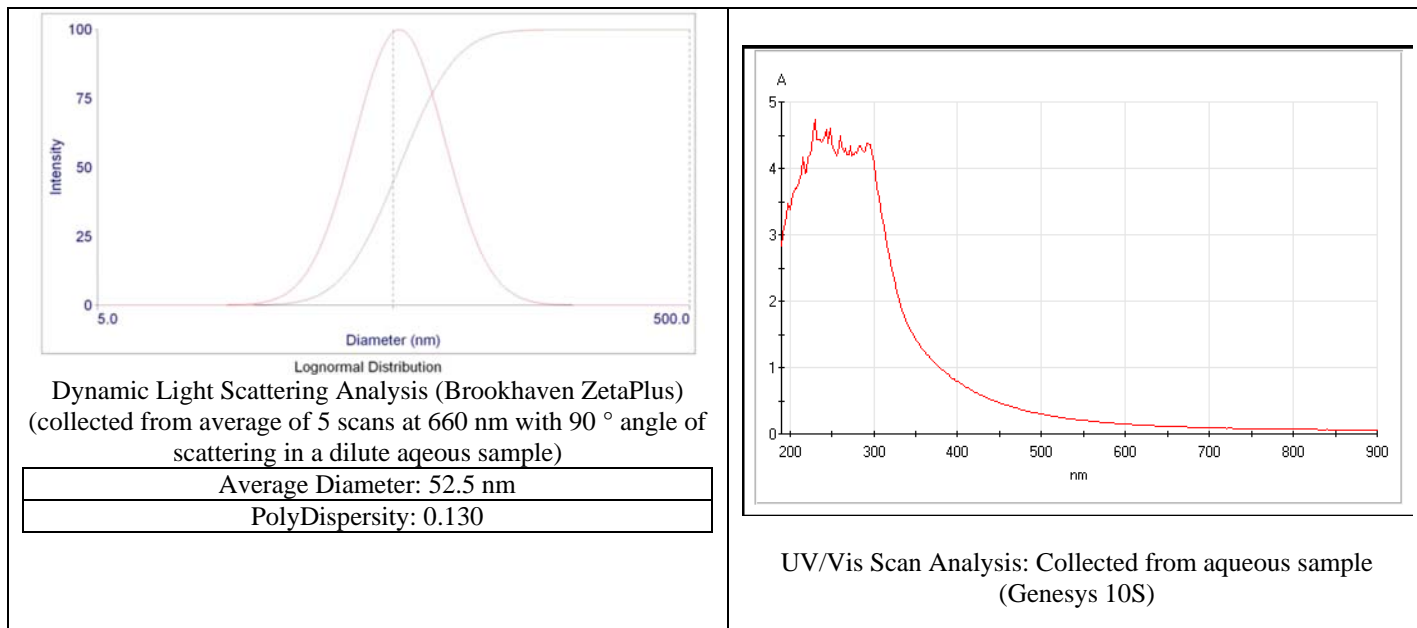


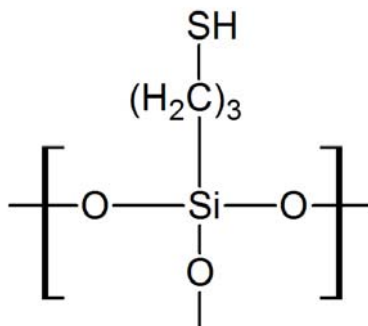
No. AO054

Certificate of Analysis

Product Name: 3-mercaptopropyl-silica nanoparticles (thiolated silica), 50 nm average diameter
2.5 mg/ml slurry (Lot#: 60620AHT-A)



- **Structure of Thiolated silica nanoparticles**



NOTE: Material is a licensed product “Thiolated nanoparticles as developed in Professor Khutoryanskiy’s research group, as licensed from The University of Reading, now available from PolySciTech” (Thiolated mucoadhesive and PEGylated nonmucoadhesive organosilica nanoparticles from 3-mercaptopropyltrimethoxysilane, GS Irmukhametova, GA Mun, VV Khutoryanskiy - Langmuir, 2011, 27 (15), 9551-9556