

## Certificate of Analysis

Date of Testing: 2023-06-25 10:48:43  
Date of Next Testing: 2027-06-24 10:48:43  
Product Name: **High Surface area Silica nanoparticles**  
CAS Number: 112945-52-5  
Specifications & Purity: small, particle size ~40-50 nm, surface area ~520 m<sup>2</sup>/g, (KCC-1 S2)  
Lot #: F2308129  
SKU #: **H396844**  
Analysis: **218827**

Parameter	Limit Values	Result
Particle size	40-50 (nm)	45.00 nm
Pore volume	1.25-1.35 (cm <sup>3</sup> /g)	1.30 cm <sup>3</sup> /g
Surface area	510-530 (m <sup>2</sup> /g)	520.00 m <sup>2</sup> /g
Appearance(H396844)	White to off White Powder	White to Off White Powder



John Su  
QA & QC Manager