



ChemPure[®]
Chemicals

Certificate Of Analysis

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Product: Silica Gel, Premium Grade, 60Å, 200-500µm (35 X 70 Mesh)
 Catalog Number: CP-X4095D
 Lot Number: 011103UCP
 Formula: SiO₂
 Main Component: Silicon Dioxide
 Material: Synthetic amorphous silica (irregular shape)
 Color: White
 Physical Appearance: Free-flowing powder
 Odor: None
 Mean pore diameter: 60Å
 Molecular weight: 60.08
 Melting point: ~1700°C
 Toxicity: None
 Remark: Keep container closed.
 Expiration: Indefinite

<u>Items</u>	<u>Specifications</u>	<u>Lot Data</u>
Tapped bulk density	460 - 550 g/L	504 g/L
pH value, suspension 5% w/w	6.5 - 7.5	6.9
Residual Water, 160° C, 15 min.	2.0—4.0% w/w	2.9%
Particle size distribution		
Under size, air jet sieve Alpine 200µm	< =5.0% w/w	1.1%
Over size, air jet sieve Alpine 500µm	< =5.0% w/w	0.0%
Pore volume, N2 isotherm	0.70 - 0.85 mL/g	0.75 mL/g
Surface specific, N2 isotherm, sBET	470 - 530 m2/g	496 m2/g
Pore size calculated, N2 isotherm	5.2—7.3 nm	6.0 nm
Conductivity, suspension 5% w/w uS/cm	<= 200 uS/cm	139

The undersigned hereby certifies that this material was certified to have the following characteristics at such time as it was originally packaged, and SINCE THAT DATE, the subject material has, or may have, been repackaged, which repackaging may have resulted in minor exposure to ambient atmospheric conditions. The above notwithstanding, this material has NOT been subjected to any intentional adulteration or modification of its basic characteristics since date of original certification at time of original packaging.

Date: 11/04/2020

Signed  Eric Richter