



Specification

1.09336.0000 LiChroprep® Si 60 (15-25 µm) for liquid chromatography

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pH-value (10 % suspension)	6.5 - 7.5	
Loss on drying (150 °C)	5.5 - 6.5	%
Specific surface area (BET)	480 - 540	m ² /g
Pore volume (N ₂ -isotherm)	0.74 - 0.84	ml/g
particle size (Malvern) (d10)	10.0 - 15.0	µm
particle size (Malvern) (d50)	18.0 - 24.0	µm
particle size (Malvern) (d90)	27.0 - 37.0	µm
Application test (2-Nitrotoluene)	conforms	
Pressure	≤ 15.0	bar
Separation efficiency (2-Nitrotoluene)	≥ 8000	
Leading	≤ 7	%
Tailing	≤ 11	%
Symmetry	0.8 - 1.5	
Capacity factor	≥ 0.3	

The specific surface is related to silica gel raw material.

Dr. Simon Forster

Responsible laboratory manager quality control

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