

# Specification

Item number: 5402

Silica gel 150

**0,035-0,07 mm (400-220 mesh)**

CAS No.: 7631-86-9

print date: 02.01.2023

formula:  $\text{SiO}_2$

density: 2,2

molecular weight: 60,09 g/mol

## Type analysis

<b>Appearance</b>	white powder
<b>Pore diameter</b>	~150 Å
<b>Loss on drying (160 °C)</b>	≤6 %
<b>Pore volume (H<sub>2</sub>O)</b>	≥1,05 ml/g
<b>Specific surface</b>	285-355 m <sup>2</sup> /g
<b>pH-value</b>	6,0-8,0
<b>Volatile parts (950 °C)</b>	≤13,0 %
<b>SiO<sub>2</sub> content (dry substance)</b>	≥99,3 %
<b>Fe<sub>2</sub>O<sub>3</sub> content (dry substance)</b>	≤0,014 %
<b>Na<sub>2</sub>O content (dry substance)</b>	≤0,15 %
<b>SO<sub>4</sub> content</b>	≤0,10 %

## Particle size distribution:

<b>&gt;32,0 µm</b>	≥90,0 %
<b>&gt;80,7 µm</b>	≤5,0 %

Our products are tested for laboratory use only.

The stated information refers to the current status of product quality.

We reserve the right to implement necessary changes.

**Dr. R. Niemand**

Head of Quality Assurance

**S. Lorsee**

Head of Quality Management

*This document is computer printout and has therefore not been signed by hand.*

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