

## Certificate of Analysis

Product Name	Silica Gel, self-indicating, blue to pink, 2 - 5 mm beads
Glenthams Code	GE5162
CAS Number	112926-00-8
EINECS	231-545-4
Batch Number	602PWZ
Molecular Weight	60.08
Molecular Formula	SiO <sub>2</sub>
Storage Temp.	+20°C

Property	Specification	Batch 602PWZ
Physical Description	Blue beads	Blue beads
pH (10% aqueous solution)	≥ 3.5	Conforms
BET Surface Area	≥ 600m <sup>2</sup> /g	Conforms
Pore Volume	0.35 - 0.45 ml/g	Conforms
Average Pore Diameter	20 - 30 Å	Conforms
Water	≤ 2% (at 145°C)	0.6%
Iron(III) oxide (Fe <sub>2</sub> O <sub>3</sub> )	≤ 0.5%	Conforms
Sodium oxide (Na <sub>2</sub> O)	≤ 0.3%	Conforms
Sulphate (SO <sub>4</sub> )	≤ 0.5%	Conforms
Particle Size	Less than 2mm: ≤ 5%, Greater than 5mm: ≤ 5%	Conforms
Silicon dioxide (SiO <sub>2</sub> )	≥ 98%	Conforms
Note(s)	Beads gradually change colour from deep blue to pink when saturated with water. Indicator is CoCl <sub>2</sub> .	Conforms

Specification Version	v1.0
Manufacture Date	2025-02-20
Re-Test Date	2033-02-17

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glenthams.com](http://www.glenthams.com) or contact us using the details above for the current version of this document.

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