

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 ₂
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 ² /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 ₂ O ₃)	≤ 0.5%	Conforms
Sodium oxide (Na ₂ O)	≤ 0.3%	Conforms
Sulphate (SO ₄)	≤ 0.5%	Conforms
Particle Size	Less than 2mm: ≤ 5%, Greater than 5mm: ≤ 5%	Conforms
Silicon dioxide (SiO ₂)	≥ 98%	Conforms
Note(s)	Beads gradually change colour from deep blue to pink when saturated with water. Indicator is CoCl ₂ .	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 or contact us using the details above for the current version of this document.

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