

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	049DTL

Molecular Weight	60.08
Molecular Formula	SiO ₂
Storage Temp.	+20°C

Property	Specification	Batch 049DTL
Physical Description	Blue beads	Blue beads
pH (10% aqueous solution)	≥ 3.5	≥ 3.5
BET Surface Area	≥ 600m ² /g	≥ 600m ² /g
Pore Volume	0.35 - 0.45 ml/g	0.35 - 0.45 ml/g
Average Pore Diameter	20 - 30 Å	20 - 30 Å
Water	≤ 2% (at 145°C)	1.0%
Iron(III) oxide (Fe ₂ O ₃)	≤ 0.5%	≤ 0.5%
Sodium oxide (Na ₂ O)	≤ 0.3%	≤ 0.3%
Sulphate (SO ₄)	≤ 0.5%	≤ 0.5%
Particle Size	Less than 2mm: ≤ 5%, Greater than 5mm: ≤ 5%	Conforms
Silicon dioxide (SiO ₂)	≥ 98%	≥ 98%
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	2023-09-05
Re-Test Date	2031-08-31

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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