

# GeeJay Chemicals Ltd.

1 Beamish Close,  
SANDY  
Beds.  
SG19 1SD

Telephone: 01767 682774  
E-mail: sales@geejaychemicals.co.uk  
www.geejaychemicals.co.uk


## CERTIFICATE OF CONFORMITY

Certificate No.	59724
Customer Name	AMBICARE INDUSTRIAL LDA
Customer Address	Rua do Esteiro dos Barris, Lote 75 Parque Industrial da Mitrena 2910-738, SETUBAL PORTUGAL
Purchase Order No.	ECF 41/465
Quantity	450 x 1 kg foil packs
Description of Chemicals Supplied	SILICA GEL self-indicating orange to green, 2 – 5 mm bead
Specification/ Reference Details	The silica gel conforms to Product Information Sheet SGOGB25.624 (overleaf)
Batch No.	281/4 (October 2024)
Dispatch Note No.	71340

<u>Silica Gel Analysis:</u>	<u>Specification</u>	<u>Actual</u>
Moisture Content at 145°C	3.0% max.	1.82%
H <sub>2</sub> O Adsorption Capacity (50% RH, 25°C)	23.0% min.	24.57%
pH (10% aqueous solution)	1.8 – 2.2	2.21
Particle size range (2 – 5 mm)	> 90%	95.41%
Bulk density (g/l)	700 – 800	763

Certified that the supplies detailed herein have been inspected and tested in accordance with the conditions and requirements of the contract or purchase order and unless otherwise noted above, conform in all respects to the specification(s) relevant thereto.

Signed  GARY COVINGTON  
B. Sc., C.CHEM., M.R.S.C.

Date 11<sup>th</sup> October 2024

**GEEJAY CHEMICALS LTD.**  
SANDY, ENGLAND, SG19 1SD  
Reg. No. 1659760  
VAT No. GB 382 1340 73



Directors: G. J. Covington, B.Sc., C. Chem., M.R.S.C., B. R. Covington, R. Covington, B.Sc.

Registered Office: 1 Beamish Close, Sandy, Beds. SG19 1SD

Registered in England No. 1659760

**PRODUCT INFORMATION SHEET**  
**SELF-INDICATING SILICA GEL**  
**ORANGE TO GREEN, 2 – 5 MM BEAD**

Description – a narrow pored form of amorphous silica impregnated with an organic indicator (methyl violet). The beads gradually change colour from orange in the dry (activated) condition to dark green when saturated with water. Main applications are in breather units, desiccators and for general air drying purposes.

	Moisture content at 145°C	3% maximum
	Equilibrium capacity for water vapour at 25°C and given relative humidity (r.h.)	
	20% r.h.	> 8% w/w (weight for weight)
	35% r.h.	> 12% w/w
	50% r.h.	> 23% w/w
<b>Typical Properties</b>	90% r.h.	> 30% w/w
	BET surface area	> 600 m <sup>2</sup> /g
	Pore volume	0.35 – 0.45 ml/g
	Average pore diameter	20 – 30 Å
	pH (10% aqueous solution)	1.8 – 2.2
	Bulk density	700 - 800 g/l
	Dark Orange	10% w/w adsorption
<b>Colour change</b>	Olive Green	15% w/w adsorption
	Dark Green	20% w/w adsorption
<b>Chemical Composition</b>	Silica SiO <sub>2</sub>	approx. 98% w/w
	Humidity Indicator	approx. 0.2% w/w
<b>Bead Size</b>	Less than 2 mm	5% maximum
	Greater than 5 mm	5% maximum
<b>Toxicity</b>		Non-toxic
<b>Packaging</b>	150 kg steel drums, 25 kg drums, kegs or poly-sacks, 12.5 kg poly-tubs, 4 kg, 3 kg, 1 kg and 500 gram poly-tubs, 1 kg and 500 gram foils	
<b>Storage Shelf-Life</b>	Packages should be kept closed and in a dry place Shelf-life of between one and three years depending on packing type	

Variations on the packaging specification can be made to meet customers' requirements. Regeneration can be carried out at temperatures between 100°C and 120°C.

SGOGB25.624

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