



Molekula Limited  
Lingfield Way  
Darlington  
County Durham  
DL1 4XX  
United Kingdom  
+44 (0) 3302 000333  
info@molekula.com

# Specification

## Technical Data Sheet

<b>Product Name</b>	Silica gel Orange
<b>Product No</b>	42989879
<b>CAS Number</b>	112926-00-8
<b>Storage Temperature</b>	Ambient
<b>Molecular Weight</b>	60.08
	<b>Specification</b>
<b>Iron</b>	<0.5% w/w
<b>Particle Size</b>	Medium 1.0-3.0mm, Coarse 3.0-6.0mm
<b>Moisture</b>	3% max. at 145°C
<b>Adsorption Capacity</b>	H <sub>2</sub> O: 33% min. w/w (50% RH)
<b>Colour Change</b>	Orange: 10% w/w adsorption, Pale-Orange: 15% w/w adsorption, Pale-Yellow: 20% w/w adsorption
<b>Appearance</b>	White to orange powder or granules
<b>pH (10% aqueous solution)</b>	1.8-2.2
<b>Pore Volume</b>	0.35-0.45ml/g
<b>BET surface area</b>	600-800 m <sup>2</sup> /g
<b>Silica SiO<sub>2</sub></b>	Approx. 98% w/w
<b>Humidity Indicator</b>	Approx. 0.4% w/w