

# Sofnolime® medical USP grade

## White to violet indicating



Medical grade soda lime for closed anaesthesia circuits

### Applications

Sofnolime® medical USP grade soda lime is used for the removal of carbon dioxide in breathing systems where the pressure-drop must be negligible. The main component is Calcium Hydroxide.



### Particle size distribution<sup>1</sup>

Greater than 8 mm	%	nil	nil
Between 2 and 5 mm	%	78.0	Min
Up to 0.425 mm	%	0.5	Max
Friability <sup>2</sup> (equivalent to USP hardness)	%	95.0	Typical
Moisture absorbance	%	7.5	Max
CO <sub>2</sub> activity <sup>3</sup>	%	19.0	Min

### Colour Indicator

Sofnolime® medical USP grade contains a colour indicator, which changes the granules from white to violet when carbon dioxide is absorbed

### Availability

Sofnolime® medical USP grade is available in 20kg kegs, 1.36kg refill bags, 2x4.5kg twin packs, 1.15kg pre-filled absorber and 1kg cartridge. Other options are available by request

### Properties

Water Content	%	12 - 19
Total Alkali Metal	%	<4 Max
Calcium Hydroxide	%	Balance

### Quality

Molecular Products Ltd's aim is to manufacture chemical products which satisfy completely the needs of our customers. All products are rigorously tested to ensure conformance to the specification. Our activities comply to the requirements of ISO 9001 and ISO 13485. Soda lime, as a class IIa medical device, is manufactured under ISO 13485 procedures

### Notes

1. Particle size measured by optical method
2. Friability measured by ball mill and optical method
3. Activity is determined by passing carbon dioxide through a 'U' tube containing approximately 10 grammes of Sofnolime® at a rate of 75 millilitres per minute for a period of 20 minutes. The activity is the weight gain, expressed as a percentage
4. A summary of all test procedures is available on request
5. Particle size and friability methods are validated against USP test method
6. Particle size distribution is controlled to provide standardised pressure drop

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Version 11, 25/07/19