T E C H N I C A L D A T A S H E E T

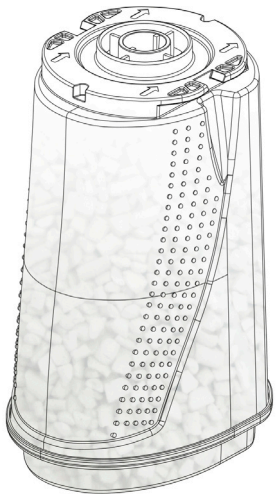
co$_2$ntrol®
Sofnolime

Sofnolime® pre-filled canister for closed anaesthesia

molecular

Applications

co$_2$ntrol is a pre-filled disposable CO_2 absorber designed for use with Dräger anaesthesia systems. Used for the removal of CO_2 in breathing systems where the pressure-drop must be negligible, the main component is calcium hydroxide. Contains a white to violet indicator to show absorption of CO_2. For use with Dragër workstations fitted with the Drager CLIC® adapter MX50090.



Packing and transport

co$_2$ntrol is available filled with Sofnolime (1.15kg) and Sofnolime SoLo (1.0kg) medical USP grade soda lime.

co$_2$ntrol canisters are packed 6 in a box; 27 boxes per pallet (standard). The product has a shelf-life of 2 years.

Sofnolime specification

Particle size distribution[1]			
Greater than 8 mm	%	nil	nil
Between 2 and 5 mm	%	78.0	Min
Up to 0.425 mm	%	0.5	Max
Friability[2] (equivalent to USP hardness)	%	95.0	Typical
Moisture absorption	%	7.5	Max
USP CO_2 activity[3]	%	19.0	Min
Properties			
Water content	%	12 - 19	

CO_2 performance (canister)
130 litres of carbon dioxide per canister at NTP (20°C and 1 bar @ 0.475 litre CO_2 per min until 0.5% CO_2 breakthrough)

Quality

Molecular Products Ltd's aim is to manufacture chemical products which completely satisfy 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 10g of Sofnolime at a rate of 75ml per minute for a period of 20 minutes. The activity is the weight gain, expressed as a percentage
4. Particle size and friability methods are validated against USP test method
5. Particle size distribution is controlled to provide standardised pressure drop
6. Determined using internal test method TM153. Test conditions: 500ml tidal volume, breathing rate of 20 breaths per min (bpm) and an I:E ratio to 1:2

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