

SOFNOLIME

MEDICAL GRADE SODA LIME

DESCRIPTION

Medical grade soda lime designed for clinical use in 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.

COLOUR INDICATOR

Sofnolime medical grade contains a colour indicator that changes the granules from white to violet, or pink to white, when carbon dioxide is absorbed.

Molecular Products Limited

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PARTICLE SIZE DISTRIBUTION

Greater than 8 mm	%	nil	nil
Between 2 and 5 mm	%	78	Max
Up to 0.425 mm	%	0.5	Max
Friability (equivalent to USP hardness)	%	95.0	Typical
Moisture absorbance	%	7.5	Max
CO ₂ activity ¹	%	21.0	Min

COMPOSITION

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

QUALITY

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

PACK TYPE

Sofnolime is available in:

- Pre-filled canister: 1kg round, Aria (see separate Technical Data Sheet).
- Loose-fill: Twin Pack, Pail, Drum, Big Bag.

NOTES

1. 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.
2. A summary of all test procedures is available on request.
3. Particle size distribution is controlled to provide standardised pressure drop.

Note: this technical data sheet indicates physical properties that are standard and typical. Molecular Products will meet customer specifications as required.

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