

EcoSorb

WHITE TO VIOLET USP MEDICAL SODA LIME



APPLICATIONS

EcoSorb 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



PROPERTIES

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

QUALITY

Vetland Medical Sales & Services, LLC aims to distribute chemical products which satisfy completely the needs of our customers. All products are rigorously tested by Molecular Products to ensure conformance to the specification. Our activities comply to the requirements of ISO9001 and ISO 13485. Soda lime, as a class IIa medical device, is manufactured under ISO 13485 procedures

PARTICLE SIZE DISTRIBUTION

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 absorbance	%	7.5	Max
CO ₂ activity ³	%	19.0	Min

COLOR INDICATOR

EcoSorb medical USP grade contains a color indicator which changes the granules from white to violet when carbon dioxide is absorbed

AVAILABILITY

EcoSorb medical USP grade is available in 20kg kegs, 1.36kg refill bags, 2 x 4.5kg twin packs and 1kg canisters. Other options are available by request

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 grams of EcoSorb 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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