

# GRACE SODASORB<sup>®</sup>



## Medical Grade Carbon Dioxide Absorbent Soda Lime USP-NF The Original CO<sub>2</sub> Absorbent





- Improved Dusting Resistance
- High Contrast Color Change
- Minimal Resistance to Gas Flow
- Consistent Quality
- Long-Lasting Performance

Grace SODASORB<sup>®</sup> Medical Grade CO<sub>2</sub> absorbent complies fully with the United States Pharmacopeia – National Formulary specifications for carbon dioxide absorbents. SODASORB<sup>®</sup> is intended for professional use in anesthesia circuits/systems and respiratory therapy equipment for the purpose of removing exhaled carbon dioxide from a breathing circuit.

### COMPOSITION

Grace SODASORB<sup>®</sup> Medical Grade CO<sub>2</sub> absorbent is a pelletized compound consisting primarily of hydrated lime (Ca(OH)<sub>2</sub>) blended with a small quantity of sodium hydroxide (NaOH). SODASORB also contains a fractional content of ethyl violet dye.

### ORDERING INFORMATION

CONTAINER	VOLUME	NET WEIGHT EACH	GROSS WEIGHT PER SHIPPING UNIT	GROSS WEIGHT PER PALLET
 Pre Pak 1 12/carton	1.36 liter	2.25 lbs 1.1 kg	35 lbs 15.9 kg	1160 lbs 527 kg 32 cartons/pallet
 Canister Pak 12/carton	1.64 liter	2.65 lbs 1.2 kg	36 lbs 16.4 kg	1192 lbs 542 kg 32 cartons/pallet
 Plastic Bottle 5/carton	5.0 liter	9.9 lbs 4.5 kg	50 lbs 22.5 kg	1786 lbs 810 kg 36 cartons/pallet
 Plastic Pail	5.0 gallon 18.9 liter	37.0 lbs 16.8 kg	40 lbs 18.2 kg	1000 lbs 455 kg 24 pails/pallet

## PROPERTIES - (Typical properties not for specification purposes)

	Grace SODASORB®	USP Specification
Appearance	Pelletized granular mixture	N/A
Color	white to off-white	N/A
USP Hardness - %	92-95	75 minimum
USP Absorption Test - %	23	19 minimum
Sieve Size - % Retained		
#4 (4.75 mm)	0.1	7 maximum
#6 (3.35 mm)	60	N/A
#8 (2.36 mm)	39	N/A
less than #8 (2.36 mm)	1	15 maximum
CO <sub>2</sub> Absorption per kg	140 liters	N/A

## COLOR CHANGE AND REVERSION


As an aid in determining the progressive exhaustion of SODASORB® Absorbent, an ethyl violet indicator dye (a sensitive acid based indicator) is added to the formulation. Medical Grade SODASORB® will change in color from white to purple as the absorption reaction proceeds through the bed of absorbent in the direction of the gas flow. As the pH of the absorbent decreases below 10.3, the dye changes color from white to purple. Full exhaustion of SODASORB is indicated by a deep purple color.

During intermittent usage of equipment, SODASORB® Absorbent will revert from purple to white due to an increase in pH at the surface of the SODASORB® particles. This color reversion is strictly a function of pH change and is not due to regeneration of any absorptive capacity. Because of color reversion, it is important for the end user to establish degree of absorbent capacity exhausted.

Color indication is an adjunct guide and should always be used in conjunction with CO<sub>2</sub> monitors and time/volume calculations. If there is any uncertainty about the remaining SODASORB CO<sub>2</sub> absorptive capacity, replace the existing material with fresh SODASORB Absorbent.

## STORAGE AND HANDLING

- Keep SODASORB® containers tightly sealed
- SODASORB® should be kept in a dry environment at temperatures above 32°F(0°C)
- Avoid direct sunlight and other types of UV intense light exposure

 Visit our web site at [www.sodasorb.com](http://www.sodasorb.com)

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Determination of the suitability of the material for any use contemplated by the user and the manner of such use is the sole responsibility of the user, who must assure himself that the material as subsequently processed meets the needs of his particular product or use.

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