



**Shandong Natergy Energy Technology Co., Ltd.**

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## ABOUT — US

SHANDONG NATERGY ENERGY TECHNOLOGY CO.,LTD. founded in 2003 is the largest molecular sieve 3A manufacturer for insulating glass in China. Natergy is an integrated company, it has its own production department, product research department, equipment research department and associated lab, owns more than 20 patents. With self-developed automatic production line and monitoring center, Natergy is equipped with annual output capacity of more than 30,000 ton.

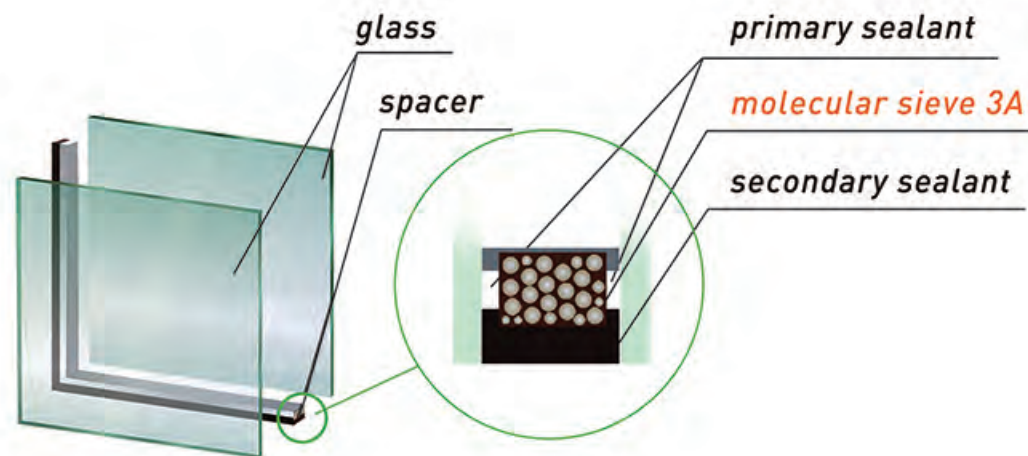
With the certification according to EN 1279:2018-7 by IFT, REACH registration of 1000+ MT and the approval official certified by CEKAL, IGCC/IGMA and ISO9001-2015 and APPLUS. Natergy covers more than 25% market shares in the world. Most importantly, Natergy is the unique company in the world which not only sells products, but also provides test kits to help the clients distinguish or judge the quality of molecular sieve 3A, thus keep the IG unit away from threat of corrosive desiccant.

As the molecular sieve 3A insulating glass desiccant expert, Natergy would be your reliable and capable consultant at any time.



*To be grateful and faithful  
To be practical and innovatory  
Joint confidence would hammer up our environmental mission  
Never ending for  
Developing natural energy  
Let's work together for our beautiful planet*

## ► Product Introduction



**3A molecular sieve** as a special insulating glass desiccant, can accord with all performance indicators of insulating glass and not have any effect on its physical and chemical properties. It can continuously adsorb the water and the residual organic matter in the insulating glass, effectively prevent condensation, completely solve the distortion and broken problem caused by the expansion or contraction of insulating glass, ensure the life of glass shortest 20 years at the dew point - 8°C. So insulating glass desiccant can only choose **3A molecular sieve**.

## ► Product Characteristics

### High adsorption capacity

at 9% relative humidity, the available water adsorption capacity (AWAC) is greater than 16%.

### High Delta T value

guarantee the dew point of I.G. at -8°C for over 20 years.

### Perfect capacity in controlling adsorption-speed

keep the IG unit have continuous and strong adsorption capacity.

### Low nitrogen adsorption

pure molecular sieve 3A, extremely low nitrogen adsorption.

### Low dust level

below 40 NTU.

### Low electrostatic load

perfect flowability by automatic filling.

### No corrosiveness

excluding calcium oxide, calcium chloride, and other corrosive substance.

### Uniform granulation

very narrow size calibration width, size ratio reaches above 98%.

## ► Technical Parameter

ITEM	UNIT	TARGET
BULK DENSITY	G/L	750-850
SIZE RATIO UP TO GRADE	%	≥98.0
AWAC	% (RH9% ±2, 25°C)	≥16.0
DELTA T	°C (50G MS-3A/50ML H2O)	≥35
GAS DESORPTION	ML/G (250ML MS-3A, 70°C, 4HS)	≤0.3
DUST DROPS	NTU	≤40
LOI	% (540°C)	≤1.7

## ► Honor Certification



CEKAL



IFT



REACH 1000+



APPLUS

► **Honor Certification**

► **Test Equipments**



ISO 9001:2015



OHSAS 18001:2007



IGCC/IGMA



ISO 14001:2015



**3A Identifier**  
flexibly test the gas desorption to justify molecular sieve 3A or 4A



**Delta T Apparatus (10g/10ml)**  
convenient and quick to measure Delta T value



**Delta T Apparatus (EN1279-6)**  
convenient and quick to measure Delta T value

## ► Market Network

