

# Technical Data Sheet:

## 4A Molecular Sieve Desiccant

**Product Name** Molecular Sieve Desiccant (4A)

**Description** Molecular desiccant is a type of aluminosilicate compound with cubic lattice. Molecular sieve has micro-pore structure with uniform pore size. These pores are able to absorb molecules that are smaller than them into them, and they absorb polar molecules and unsaturated molecules in priority. Thus, molecular sieve is able to separate the molecules with different polar, saturation and boiling point, which is the how it is named. As molecular sieve has advantages such as high absorption capacity and heat stability that other types of absorbent does not have, it is widely used in various industries.

**Composition**

Composition	Percentage	CAS No.
Silicon Dioxide	>30%	7631-86-9
Aluminum Oxide	>25%	1344-28-1
Sodium Monoxide	>15%	1313-59-3
Constitution Water	>25%	—
Water	≤5%	7732-18-5

**Technical Standard**

Item	Standard
Moisture Content (550°C)	≤2%
Moisture Absorption Capacity (T=25±2°C)	RH=20±2% RH=40±2%
	≥17.0% ≥19.0%

**Storage**

Molecular sieve desiccant should be stored in enclosed containers to prevent them from absorbing moisture before usage.

**Notes**

Any details of application possibilities do not free the purchaser from the obligation of performing his own tests on the material supplied by the seller in order to determine their suitability for the intended processes and purposes. Application, use and processing of the material cannot be controlled by the seller and are thus the sole responsibility of the purchaser.

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