

ICS 71.100.99
CCS G85

HG

**CHEMICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HG/T 6486-2026

**Determination of VOCs dynamic adsorption capacity for
molecular sieves**

分子筛对挥发性有机物（VOCs）动态吸附容量测定方法
(English Translation)

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Foreword

HG/T 6486-2026 is a recommended industry standard of the People's Republic of China in the Chemical Industry sector, approved and issued by the Ministry of Industry and Information Technology on 16 April 2026, with effect from 1 November 2026.

It is administered by the Molecular Sieve Subcommittee of the National Technical Committee for Fertilizer and Soil Conditioner Standardization.

Classification: ICS 71.100.99; CCS G85.

1 Scope

HG/T 6486-2026 gives a method for determining the dynamic adsorption capacity of molecular sieves for volatile organic compounds (VOCs). It applies to raw molecular sieve powder and to strip-shaped and spherical molecular sieves of all kinds used for removing VOCs. Dynamic adsorption means that the gas stream passes through the sieve while the uptake is measured, which reflects use in an abatement system better than a static test, and the document sets out how this measurement is made so that results from different laboratories can be compared.

Molecular sieve producers, makers of VOC treatment equipment, users who buy sieves for exhaust gas treatment and test laboratories can apply it. It is voluntary, as the /T in the code indicates. The Ministry of Industry and Information Technology issued it on 16 April 2026, and it takes effect on 1 November 2026. It is a new standard.