

## ZSM-5

**Cat:** NM000883

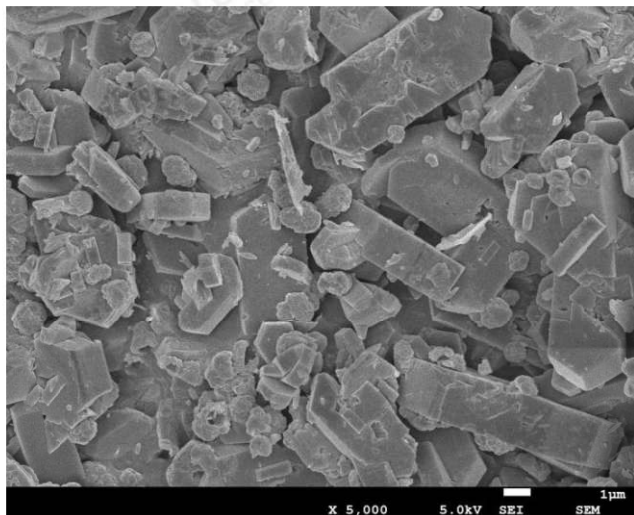
**Specification:** 100g/500g

**Storage:** Sealed, avoid light, and keep at room temperature. Expiry date: 1 year.

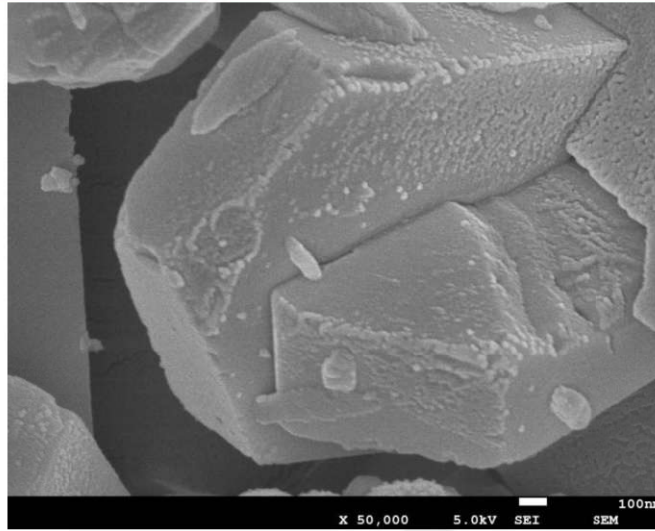
### Product Introduction:

Product name	ZSM-5
Composition	$[\text{Na}^+_n (\text{H}_2\text{O})_{16}] [\text{Al}_n \text{Si}_{96-n} \text{O}_{192}] \text{-MFI}$ , $n < 27$
Particle size	$< 10 \mu\text{m}$
Si/Al	350-400
Na <sub>2</sub> O content	$< 0.08 \text{wt}\%$
Crystallinity	$\geq 95\%$
BET	330-400m <sup>2</sup> /g
Pore volume	0.15-0.35ml/g
Pore size	0.53-0.58nm
Bulk density	0.68g/cm <sup>3</sup>
Channel structure	(MFI structure with three-dimensional channels, including a set of ten-ring straight channel and a set of mutually perpendicular sine ten-ring channel, and the orifice is oval)

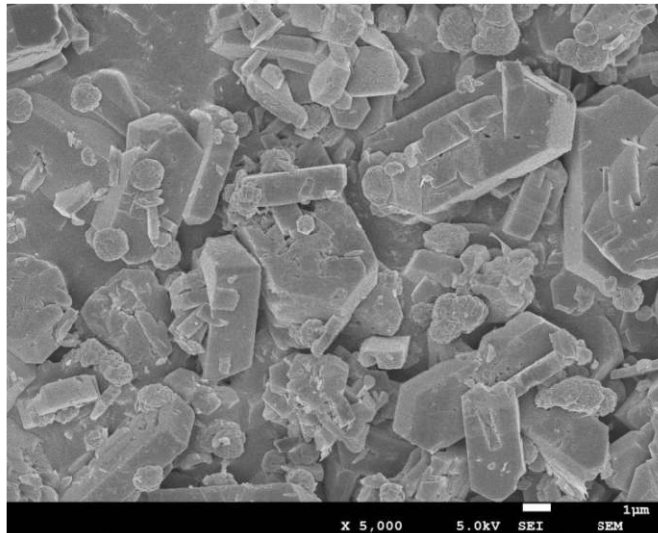
### Representation Test Diagram:



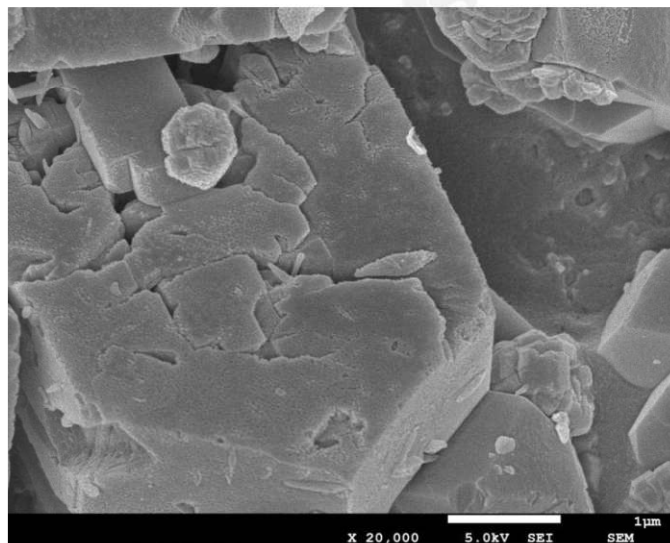
ZSM-5 SEM



ZSM-5 SEM



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**Application:**

Due to its unique pore structure and acidity characteristics, ZSM-5 zeolite has been widely used in petrochemical, coal chemical industry and fine chemical industry, such as catalytic cracking, diesel pouring, catalytic dewaxing, shape-selective catalysis and straight-run gasoline to increase octane Value aromatization, toluene disproportionation, xylene isomerization, methanol conversion to gasoline, dehydration of methanol to dimethyl ether and low-carbon hydrocarbon aromatization, C3-C4 fraction laminated gasoline, etc.

**Note:**

1. This product is for scientific research use only. Do not use for medical, clinical diagnostic or therapeutic, food or cosmetic purposes. Do not store in ordinary residential areas.
2. For your safety and health, please wear a laboratory coat and wear disposable gloves and masks to operate.