

## Catalyst

### АОК-77-25

Hydrotreating catalyst for removal of sulfur, nitrogen and oxygen compounds from petroleum fractions. Applied in refineries to produce motor fuels with ultra-low sulfur content from medium distillates.

#### Specification:

№	Parameter	Standard value	
		Grade A	Grade B
1	Appearance:		
	- Shape		Trilobe
	- Color	Blue	Green
2	Pellet height (from trilobe top to base middle, mm)		1.2-1.4
3	Bulk density of the catalyst dried at 120°C, g/cm <sup>3</sup>		0.9-1.1
4	LOI (550±10°C), %		<20.0
5	Mass fraction of particles < 1 mm, %		<0.7
6	Crush strength, kg/mm		>2.0
7	Mass fractions of active components in the catalyst (expressed as calcined at (550±10) °C), %:		
	- molybdenum trioxide, %		20.5-23.0
	- cobalt oxide, %		4.0-6.0
	- nickel oxide, %		4.0-6.0