

CATALYST OF OIL FRACTIONS DEEP HYDROTREATING AND ITS PREPARATION METHOD



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OBJECTIVES

Oil fractions deep hydrotreating



AREAS OF USE

Oil Refining, Petroleum Chemistry

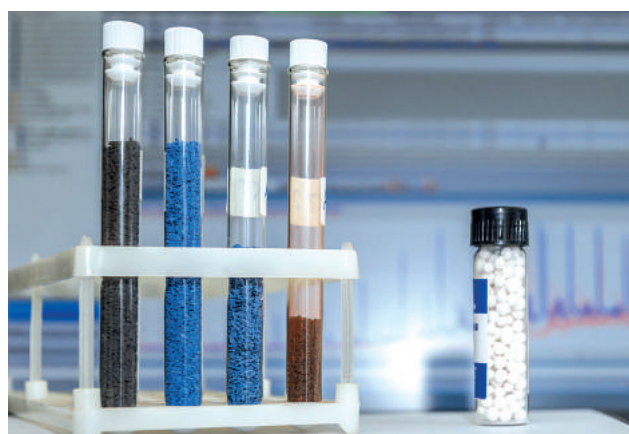


LEGAL DEFENSE

Patent of the Russian Federation N° 2631424 – Catalyst of Oil Fractions Deep Hydrotreating and Its Preparation Method

The technical result of this invention is to simplify the method for preparing a high-active catalyst by eliminating from the technology the synthesis stage of 6-molybdenum cobalt or 10-molybdenum cobalt and the use of a simple and cheap molybdenum MoO_3 compound produced on industrial scale. At the same time, on the stage of preparation of impregnating solution, the formation of a peroxocomplex molybdenum compound. Deep hydrotreating on the proposed catalysts can be carried out in the temperature range of 320-360°C at a relatively low partial pressure of hydrogen and the circulation rate, that allows to reduce the operating costs of hydrotreating.





PECULIARITIES

Catalysts are made of domestic materials, have a catalytic activity in the target processes comparable to imported samples.



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CORE COMPETENCIES

#PHYSICAL CHEMISTRY, #HETEROGENEOUS CATALYSIS, #OIL REFINING, #PETROCHEMISTRY