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Investigation of the Influence of Thiocarbamide in the Process of Carbamide Deparaffinization

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**Abstract:** The influence of thiocarbamide in the process of carbamide dewaxing was investigated. The dependence of separated paraffins on the quantity of thiocarbamide was examined experimentally. It was determined that the separation of paraffins becomes equal to zero when moles of carbamide and thiocarbamide in water-isopropyl alcohol solution are equal. The low-temperature qualities (the temperature of dimness and freezing) of dewaxed fuels were also examined. By using infrared spectroscopy methods, the compound of received paraffins was investigated.

**Key Words:** carbamide deparaffinization, isopropyl alcohol-water solution, oil-products, thiocarbamide, hydrogen bonding, infrared spectroscopy.

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