

1. List of Symbols and Abbreviations

BET - Brunauer-Emmett-Teller

BJH - Barrett – Joyner – Halenda

C - Concentration of acid sites

D - Average pore diameter

GK - Gruppa Kompaniy - company group

N – Normality

S - Specific surface area

SB RAS - Siberian Branch of Russian Academy of Sciences

T – Temperature

TPD - Temperature-Programmed Desorption

V - Specific pore volume

pKa – Acidity constant

ZSM - Zeolite Socony Mobil

ZAO - Zakrytoye Aktsionernoye Obshchestvo - closed Joint Stock Company