TECHNISCHE UNIVERSITÄT DRESDEN

DUT-67(Zr)

$Zr_6O_8(tdc)_4(OAc)_2\ 2H^+$

Highly Porous
Metal-Organic Framework

Information, quantities and prices:

Materials Center

Phone: +49 351 463 - 34864
Fax: +49 351 463 - 37287
materials.center@chemie.tu-dresden.de

www.metal-organic-frameworks.eu

TU Dresden
Department of Chemistry and Food Chemistry
Inorganic Chemistry I
01062 Dresden

Chemical Data

Chemical composition:

$Zr_6C_{28}H_{16}O_{28}S_4$ (M_W = 1476.0 g mol^{-1})

Min./Max. quantity: 1 g

Air and moisture sensitivity:

stable against moisture

Colour: colourless

Particle size: 50 - 500 µm

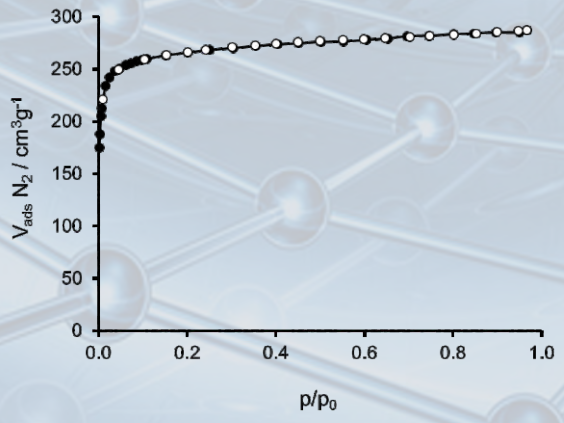
Single point BET (p/p_0 = 0.3):

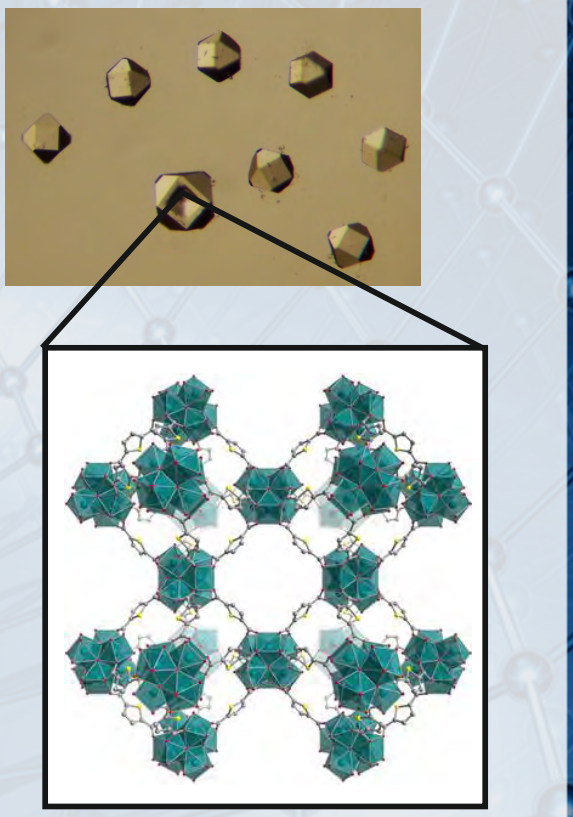
800 - 1000 m^2g^{-1}

Specific pore volume (p/p_0 = 0.9):

0.4 - 0.5 cm^3g^{-1}

Adsorption isotherm:





Literature

V. Bon, I. Senkovska, I. A. Baburin, S. Kaskel *Cryst. Growth Des.* 2013, **13**, 1231 – 1237.