TECHNISCHE UNIVERSITÄT DRESDEN

DUT-4

Al(OH)(2,6-ndc)

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:

$C_{48}H_{28}O_{20}Al_4$ (M_W = 1032.6 g mol^{-1})

Min./Max. quantity: 1 g

Air and moisture sensitivity:

stable to moisture

Colour: colourless powder

Particle size: < 1 µm

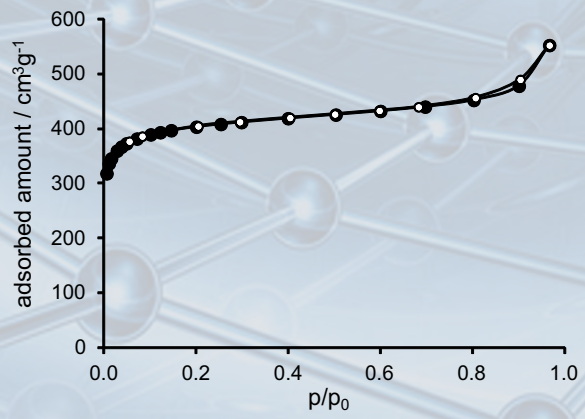
Single point BET (p/p_0 = 0.3):

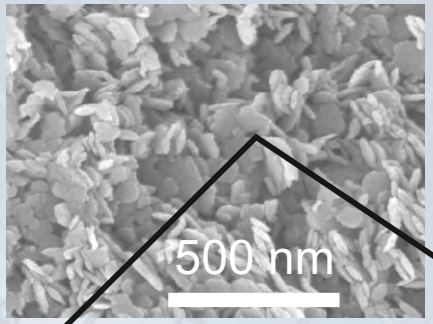
1310 m^{2}g^{-1}

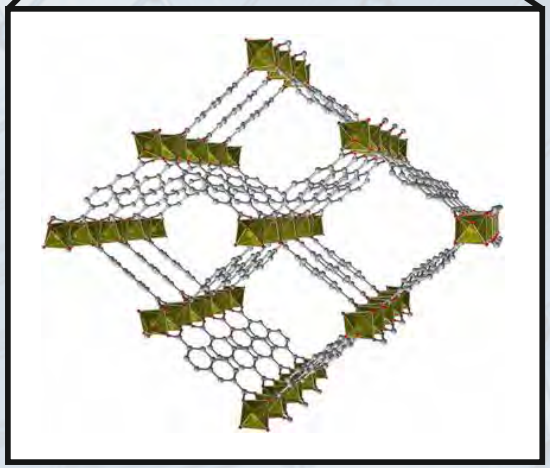
Specific pore volume (p/p_0 = 0.9):

0.7 cm^{3}g^{-1}

Adsorption isotherm:







Literature

I. Senkovska, F. Hoffmann, M. Fröba, J. Getzschmann, W. Böhlmann, S. Kaskel, *Microporous Mesoporous Mater.* **2009**, *122*, 93 - 98.