



TECHNISCHE
UNIVERSITÄT
DRESDEN

DUT-5

Al(OH)(bpdc)

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:



Min./Max. quantity: 1 g

Air and moisture sensitivity:

stable to moisture

Colour: colourless powder

Particle size: < 2 μm

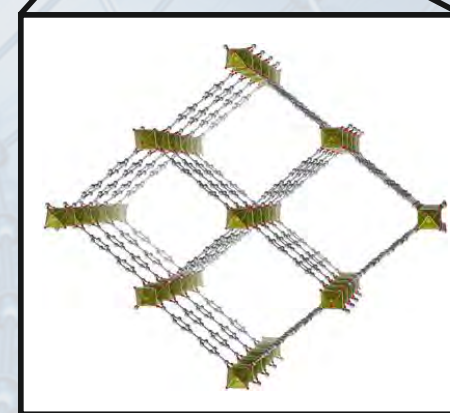
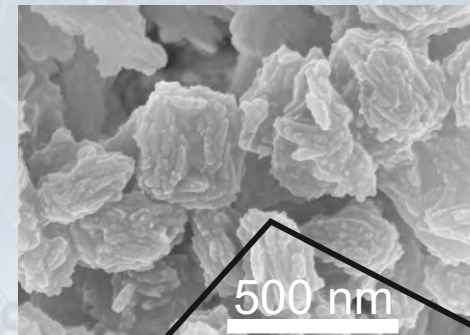
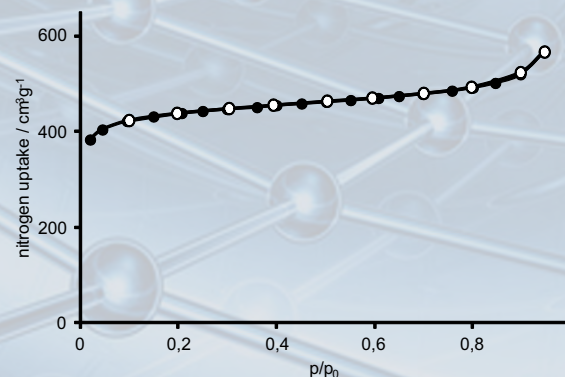
Single point BET ($p/p_0 = 0.3$):

$$1610 \text{ m}^2\text{g}^{-1}$$

Specific pore volume ($p/p_0 = 0.9$):

$$0.8 \text{ cm}^3\text{g}^{-1}$$

Adsorption isotherm:



Literature

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