

UiO-66 (Zr) low defectivity

Product Name:	UiO-66 (Zr) low defectivity
Alternative names	Zr-UiO-66-BDC, Zirconium(IV) oxo terephthalate
CAS:	1072413-89-8
Linker name & formula	Terephthalic acid, $C_6H_4(COOH)_2$
Catalog no.	400221-5G / 400221-10G / 400221-25G
Product formula (nominal):	$Zr_6O_4(OH)_4(C_6H_4(COO)_2)_6$
Country of Origin:	Norway
Appearance (colour)	White
Appearance (form)	Powder
Structure:	Single phase, confirms to UiO-66 structure
Surface area (BET)	1000 - 1300 m ² /g
Net weight options:	5 g / 10 g / 25 g
Price	EUR 820 / 1340 / 2900
Packaging type	Glass vial/Plastic bottle
Quality	< 10 % missing linker defects
Thermal stability / decomposition temperature	Decomposition onset: 400 °C in air.
Chemical compatibility	Unstable in aqueous base, pH >7.
Dust hazard note	Do not inhale, work under ventilation, PPE recommended (dust mask, gloves, goggles)