UiO-66 (high-grade)

Product Name	UiO-66 (high-grade)
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
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
Packaging type	Glass vial/Plastic bottle
Quality	< 10 % missing linker defects
Thermal stability / decomposition temperature	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)

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