

## Specification Sheet

Dysprosium Metal Organic Framework

(Dy-MOF, Purity: 99%, APS:30-40 $\mu$ m)

Stock No: NS6130-12-000889, CAS: 7429-91-6

<b>Product</b>	:	<b>Dysprosium Metal Organic Framework</b>
Stock No.	:	NS6130-12-000889
CAS	:	7429-91-6
Purity	:	99%
APS	:	30-40 $\mu$ m
Molecular Formula	:	Dy(pyda) <sub>3</sub> Ca <sub>1.5</sub> (H <sub>2</sub> O) <sub>6</sub> $\square$ 5.5H <sub>2</sub> O (1)
Molecular Weight	:	158.925 g/mol
Pore Size	:	~10 $\text{\AA}$
Density	:	0.35 g/ cm <sup>3</sup>
Odor	:	Odorless
SSA	:	~1300 m <sup>2</sup> /g (BET)
Linker	:	H3B Dy (1,3,5-tris(4-carboxyphenyl)benzene)
Solubility	:	Ethanol
Application	:	adsorbing dyes and fluorescence detecting aromatic pollutants
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

**Note:** Product Specification are subject to amendment and may change over time