

## Specification Sheet

Nickel based Metal Organic Framework  
(CPO-27 Ni, Purity: 99%, APS: 30-40 $\mu$ m)  
Stock No: NS6130-12-000896, CAS: 7440-02-0

|                              |   |  |
|------------------------------|---|--|
| <b>Product</b>               | : | <b>Nickel based Metal Organic Framework</b>                    |
| Synonyms                     | : | CPO-27 (Ni)  |
| Stock No.                    | : | NS6130-12-000896   |
| CAS                          | : | 7440-02-0  |
| Purity                       | : | 99%  |
| APS                          | : | 30-40 $\mu$ m  |
| Molecular Formula            | : | C <sub>18</sub> H <sub>6</sub> Ni <sub>3</sub> O <sub>12</sub> |
| Molecular Weight             | : | 229.60g/ mol   |
| Pore Size                    | : | ~10 $\text{\AA}$   |
| Density                      | : | 0.35g/ cm <sup>3</sup>   |
| Odor                         | : | Odorless   |
| Color                        | : | Yellowish  |
| SSA                          | : | ~1300 m <sup>2</sup> /g (BET)                                  |
| Linker                       | : | H4DOBDC<br>(2,5-dihydroxyterephthalic acid)                    |
| Solubility                   | : | Ethanol  |
| Application                  | : | Gas adsorption: Methane gas                                    |
| <b>Main Inspect Verifier</b> | : | <b>Manager QC</b>  |

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