

# Specification Sheet

## Aluminium Metal Organic Framework

Stock No: NS6130-12-000873, CAS: 7429-90-5

|                              |   |   |
|------------------------------|---|---|
| <b>Product</b>               | : | <b>Aluminium Metal Organic Framework</b>            |
| Stock No.                    | : | NS6130-12-000873                                    |
| CAS                          | : | 7429-90-5   |
| Purity                       | : | 99%   |
| APS                          | : | 30-40 $\mu$ m                                       |
| Molecular Formula            | : | C <sub>8</sub> H <sub>5</sub> AlO <sub>5</sub>      |
| Molecular Weight             | : | 208.10g/ mol  |
| Pore Size                    | : | ~10Å  |
| Appearance                   | : | White powder  |
| Density                      | : | 0.4 g/cm <sup>3</sup>                               |
| Odor                         | : | Odorless  |
| SSA                          | : | ~1100-1500 m <sup>2</sup> /g (BET)                  |
| Linker                       | : | TPA, H <sub>2</sub> BDC, BDC<br>(Terephthalic acid) |
| Application                  | : | Gas adsorption: Hydrogen gas                        |
| Solubility                   | : | Ethanol   |
| <b>Main Inspect Verifier</b> | : | <b>Manager QC</b>                                   |

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