POLY4
A SIRIUS MINERALS PRODUCT

# POWDER PRODUCT SPECIFICATION SHEET

| DESCRIPTION | |
|---|---|
| **Product** | POLY4 – a multi-nutrient mineral polyhalite: $K_2SO_4.MgSO_4.2CaSO_4.2H_2O$ |
| **Manufacturer** | Sirius Minerals Plc<br>Resolution House, Lake View, Scarborough YO11 3ZB, UK<br>Phone: +44 1723 470 010<br>Company registered number: 04948435 |
| **Applications** | POLY4 is a multi-nutrient fertilizer resource suitable for use where potassium, sulphur, magnesium or calcium are required. Suitable for organic production as a source of essentially chloride-free potassium, sulphur, magnesium and calcium. |

| CHEMICAL ANALYSIS[1] | | |
|---|---|---|
| **Component/element** | **Units** | **Typical quantity** |
| **Potassium** | $K_2O$% | 14.06 |
| **Sulphur** | $SO_3$% | 47.80 |
| **Magnesium** | MgO% | 6.02 |
| **Calcium** | CaO% | 16.74 |
| **Trace elements** | | |
| **Magnesite** | $MgCO_3$% | 3.0 |
| **Anhydrite** | $CaSO_4$% | 3.34 |
| **Halite** | NaCl% | 3.07 |
| **Boron** | B ppm | 300 |

[1]Analysis of 90% polyhalite

| PHYSICAL ANALYSIS | | |
|---|---|---|
| **Parameter** | **Units** | **Description** |
| Colour | – | Grey, grey white or white solid. |
| Solubility | – | Soluble fertilizer suitable for soil application at all commercial application rates[3]. |
| Particle size[2] | µ | +/- 200 |

[2]Also available in 2–4mm granular
[3]Sirius polyhalite characteristics

| CONVERTING OXIDE TO ELEMENTAL FORM | | | |
|---|---|---|---|
| $K_2O$ – multiply by 0.83 | $SO_3$ – multiply by 0.4 | CaO – multiply by 0.72 | MgO – multiply by 0.60 |

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