



# POLY4

A SIRIUS MINERALS PRODUCT

## POWDER PRODUCT SPECIFICATION SHEET

### DESCRIPTION

<b>Product</b>	POLY4 – a multi-nutrient mineral polyhalite: $K_2SO_4 \cdot MgSO_4 \cdot 2CaSO_4 \cdot 2H_2O$
<b>Manufacturer</b>	Sirius Minerals Plc Resolution House, Lake View, Scarborough YO11 3ZB, UK Phone: +44 1723 470 010 Company registered number: 04948435
<b>Applications</b>	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<sup>1</sup>

Component/element	Units	Typical quantity
Potassium	$K_2O\%$	14.06
Sulphur	$SO_3\%$	47.80
Magnesium	$MgO\%$	6.02
Calcium	$CaO\%$	16.74
<b>Trace elements</b>		
Magnesite	$MgCO_3\%$	3.0
Anhydrite	$CaSO_4\%$	3.34
Halite	$NaCl\%$	3.07
Boron	B ppm	300

<sup>1</sup>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 <sup>3</sup> .
Particle size <sup>2</sup>	$\mu$	+/- 200

<sup>2</sup>Also available in 2–4mm granular

<sup>3</sup>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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T: +44 1723 470 010

E: commercial@  
siriusminerals.com

**Registered address:**  
3rd Floor Greener House,  
66–68 Haymarket,  
London SW1Y 4RF  
UK

**Company registered  
number: 04948435**

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