Fertilizers

Standard potassium chloride (MOP)

Water-soluble potassium source

Standard



Material illustration

Technical characteristics

Standard muriate of potash (MOP) is supplied in a finer crystalline form than granular MOP. Particle size affects metering and downstream processing.

Property	Reference value	Method or source
FAO nutrient reference	**60 % K_2O**	FAOSTAT
Chemical formula	**KCl**	PubChem · KCl
CAS number	**7447-40-7**	PubChem · KCl
Molar mass	**74.55 g/mol**	PubChem · KCl
H_2O	**≤ 0.5 %**	FAO
Na → NaCl	**≤ 3.5 %**	FAO
Particle size	**≥ 65 % / 0.25–1.7 mm**	FAO

FAO limits are a published procurement example. Particle size is assessed by sieving, and moisture is expressed as a mass fraction.



Applications

Potassium feedstock for compound fertilizer production and processes requiring a fine fraction. Sieve distribution and caking tendency distinguish offers.



Packaging and receipt

Options include palletised bags, bulk bags and loose bulk. Pack size depends on throughput and unloading equipment. Covered dry storage and moisture protection help preserve flow.

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.