

Technical Data Sheet



Potassium Sulfate

Product Description:

Potassium Sulfate, alternatively known as sulfate of POTASH (SOP), Arcanite, or historically as potash of sulfur, is an inorganic compound denoted by the chemical formula K₂SO₄.

Typical applications:

The primary application of Potassium Sulfate is in agriculture as a fertilizer. K₂SO₄ lacks chloride, a substance that can be detrimental to certain crops. Therefore, potassium sulfate is favored for cultivation of these crops, notably tobacco, as well as certain fruits and vegetables.

Technical Data:

Property	Unit	Typical Value	Test method (INSO 128)
CL	(w/w) %	≤ 2.5	AOAC 928.02
K ₂ O	(w/w) %	≥ 50	ISO 17319
SO ₄ (S)	(w/w) %	≥ 17.5	INSO 14778
Humidity	(w/w) %	≤ 1.5	ISRI 9949
CA (CAO)	(w/w) %	≤ 2.5	AOAC 965.09
MG (MGO)	(w/w) %	≤ 2	AOAC 965.09
NA (NACL)	(w/w) %	≤ 2	AOAC 974.01

Packaging

The product is supplied in palletized 50-kg bags.

Storage

It is imperative to store the substance in a dry location and keep it away from sources of heat and light. For comprehensive safety guidelines regarding transportation, storage, and processing, it is recommended to consult the safety data sheet (MSDS).