



Technical Data Sheet – Potassium Chloride

Potassium chloride (also known as **KCl** or **potassium salt**) is a metal halide salt composed of potassium and chlorine. It is odorless and has a white or colorless vitreous crystal appearance. The solid dissolves readily in water, and its solutions have a salt-like taste. It could be obtained from ancient dried lake deposits.

Sr. No.	Parameters	Result	Unit
01	Water Soluble Potassium (as K ₂ O)	60.0	%
02	Sodium (as NaCl)	3.5	%
03	Moisture	0.5	%

Application:

- **Agrochemicals and Fertilizers:** The majority of the potassium chloride produced is used for making fertilizer called potash, since the growth of many plants is limited by potassium availability.
- **Animal Feed:** It is used as a supplement in animal feed to boost the amount of nutrients in the feed, which in turn promotes healthy growth in animals. As an added benefit, it is known to increase milk production.
- **Oil and Gas Industries:** It is sometimes used in water as a completion fluid in petroleum and natural gas operations, as well as being an alternative to sodium chloride in household water softener units.
- **Industrial Applications:** Potassium Chloride has application in Glass Industries, Dyes Industries, De-icing Industries, Pharmaceutical Industries and many more.