



Technical Data Sheet – Potassium Humate

Potassium humate is the potassium salt of Humic acid. It is manufactured commercially by alkaline extraction of brown coal (lignite) Leonardite to be used mainly as a soil conditioner. The extraction is performed in water with the addition of potassium hydroxide (KOH), sequestering agents and hydrotropic surfactants. Heat is used to increase the solubility of humic acids and hence more potassium humate can be extracted. The resulting liquid is dried to produce the amorphous crystalline like product which can then be added as a granule to fertilizer. The potassium humate granules by way of chemical extraction lose their hydrophobic properties and are now soluble.

Sr. No.	Parameters	Result	Unit
01	Water Soluble	98.0	%
02	Humic Acid(Dry Base)	60.0	%
03	K ₂ O(Dry Base)	2.2	%
04	Moisture	15	%
05	pH	9.0-10.0	

Application:

It is used in agriculture as a fertilizer additive to increase the efficiency of fertilizers especially nitrogen and phosphorus based fertilizer inputs. Other salts of humic acid are manufactured, mainly sodium humate which is used in animalhealth supplements. It also can be used in Aquaculture.