

**AvoPAC 9HB Specifications**

Name	Polyaluminum chlorosulfate
CAS number	1327-41-9
Appearance	Colorless yellowish liquid
Chemical formula	$Al_2(OH)_nCl_{(6-n-2k)}(SO_4)_k$
Alumina (Al_2O_3) % w/w	9 – 9.5
Aluminum (Al^{3+}) % w/w	4.5 – 5.1
Chloride (Cl^-) % w/w	10.14 - 11.28
Sulfate % w/w	1.10 - 1.50
Molecular Weight (g/mol)	277.6 - 296.6
Density at 20 °C (g/ml)	1.20 - 1.25
Basicity %	64 - 72
Water solubility	100% Soluble
pH (5% Solution)	3.5 - 5
Turbidity (NTU)	< 20
Viscosity at 20 °C (mPa.s)	10 - 30
Freezing point (°C)	-10