



Specifications for Potassium Tripolyphosphate

Parameter	Value
Molecular Formula	K ₅ O ₁₀ P ₃
Mol Wt	375.85
CAS #	[13845-36-8]
Description	White Powder
Purity (%)	85 min
P ₂ O ₅ (%)	46 min
Iron in ppm	Report
Arsenic (%)	Report
Fluoride as F- (%)	Report
Lead as Pb – (%)	Report
Moisture (%)	1.0 max
pH of 1% solution	9.3 – 10.4

Uses

Industry	Application
Metal	As surface corrosion inhibitor for iron, zinc and lead
Water purification	As softener of hard water
Paint and Coating	In surface treatment and as dispersing agent in distempers
Textile	As textile dye printing ancillary
Detergent	As builder for soaps, detergents and liquid cleaning formulation
Food	As an additive
Process Industry	As boiler antiscaling