

Specifications for Sodium Tripolyphosphate (STPP)

Parameter	Value
Molecular Formula	Na ₅ O ₁₀ P ₃
Mol Wt	367.85
CAS #	[7758-29-4]
Description	Clear colourless liquid
Purity (%)	93 min
P ₂ O ₅ (%)	50 min
Water solubles (%)	0.1 max
Iron in ppm	100 max
Whiteness (%)	90 min
Fineness on 20 mesh (%)	5 max

Uses

Industry	Application
Detergent	In detergent formulations as emulsifier
Water treatment	An effective water softening agent
Petroleum	Ingredient of cleansers in drilling fluid used in oil fields
Food	As preservative