

# IC Application Note No. S-150

**Title:** Orthophosphate, pyrophosphate and trimetaphosphate in sodium tripolyphosphate (isocratic)

**Summary:** Determination of o-phosphate, pyrophosphate and trimetaphosphate in sodium tripolyphosphate using anion chromatography with conductivity detection and chemical suppression.

**Sample:** Sodium tripolyphosphate

**Sample preparation:** 100 mg dissolved in 500 mL ultrapure water

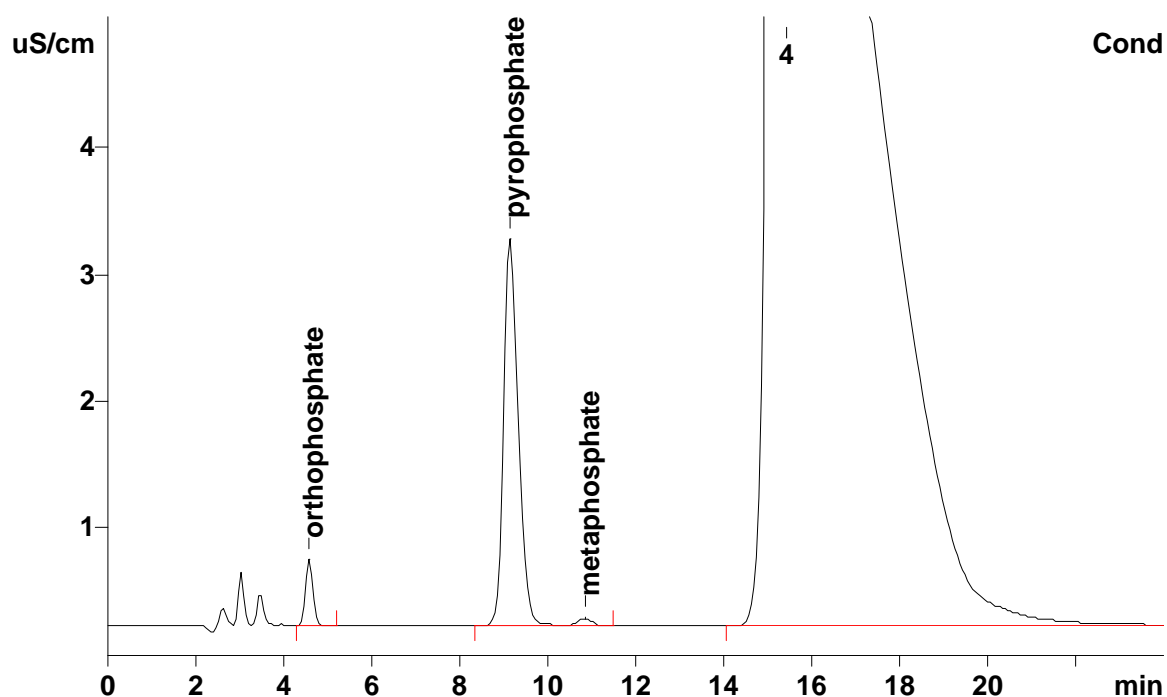
**Column:** 6.1006.510 Metrosep A SUPP 5 – 100

**Eluent:** 37.5 mmol/L sodium hydroxide

**Suppressor:** 828 Dual Suppressor

**Flow:** 0.7 mL/min

**Injection Volume:** 20  $\mu$ L



<b>Results:</b>	o-Phosphate g/kg	Pyrophosphate g/kg	Metaphosphate g/kg
	<b>3.59</b>	<b>32.4</b>	<b>0.66</b>