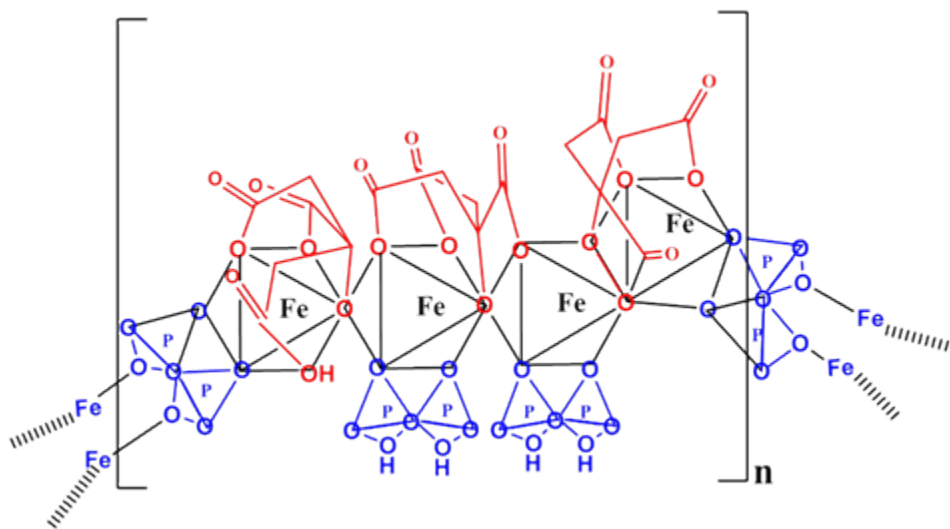


23. The method of any one of claims 11-19, wherein the soluble ferric pyrophosphate comprises iron chelated with citrate and pyrophosphate having at least one of: a Fe-O distance of 2.00 angstroms in the primary coordination shell, a Fe-C distance of 2.98 angstroms, and a Fe-P distance of 3.20 angstroms in the second coordination sphere of Fe.

24. The method of any one of claims 11-19, wherein the solid particulate formulation comprises a compound having structure (I):



25. A kit comprising the solid particulate formulation of soluble ferric pyrophosphate or sachet of any one of claims 1-10 and a dialysis concentrate formulation in a solid or liquid form.

26. The kit of claim 25, wherein the dialysis concentrate formulation is a solid form.

27. The kit of claim 25, wherein the dialysis concentrate formulation is a liquid form.

28. The kit of any of claims 25-27, wherein the dialysis concentrate formulation is an acid.

29. The kit of any of claims 25-27, wherein the dialysis concentrate formulation is a base.