





2.

(1),	NaCl (2),	NaCl, CaCl ₂ , MgCl ₂ (3),
NaCl, CaCl ₂ (4),	():	NaCl(5), NaCl, CaCl ₂ (6),
()	NaCl(7),	NaCl, CaCl ₂ (8),
()	()	(10)

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PHYSICOCHEMICAL FEATURES OF POLYPHOSPHATE TRANSFORMATION IN MODEL SOIL SOLUTIONS

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The transformations of low- and high-molecular-weight polyphosphates (compound fertilizers) were studied in model soil solutions. It was shown that low-molecular-weight polyphosphates (because of their complexing ability) and high-molecular-weight polyphosphates (polymetaphosphates) (because of their ion-exchange and complexing abilities) significantly differed from orthophosphates, especially water-soluble ones.

Keywords: polyphosphates, ion-exchange and complexing properties, ion-exchange capacity, hydrolysis, dissolution dynamics, model soil solutions.