25 cc. of this solution, 2 cc. ammonia, 1 cc. hydrochloric acid, 5 g. magnesium sulphate made up to 50 cc 315

The same amount of magnesium sulphate, with ammonium chloride to prevent precipitation, has practically no effect on sugar alone.

EFFECT OF ALKALI AND ACID ON THE ROTATION OF TARTARIC ACID IN THE PRESENCE OF AMMONIUM MOLYBDATE.

(68)	3 g. TH_2 3.33 cc. NH_3	in 100 cc. 145
(69)	3 g. TH_2 45 cc. NH_3	in 100 cc. 147
(70)	3 g. TH_2 3.33 cc. NH_3, about 4 g. ammonium molybdate	in 100 cc. 1501
(71)	3 g. TH_2 45 cc. NH_3, about 4 g. ammonium molybdate	in 100 cc. 152
(72)	3 g. TH_2 3.33 cc. NH_3, about 4 g. ammonium molybdate, about 4 cc. concentrated nitric acid.....	in 100 cc. 1147
(73)	3 g. TH_2 3.33 cc. NH_3, about 4 g. ammonium molybdate, about 12 cc. concentrated nitric acid ...	in 100 cc. 445
(74)	0.64 g. KHT (impure), 0.65 cc. NH_3, 4 g. ammonium molybdate, 4 cc. normal acetic acid	in 100 cc. 297
(75)	0.64 g. KHT (impure), 0.65 cc. NH_3, 4 g. ammonium molybdate, 20 cc. normal acetic acid	in 100 cc. 337
(76)	0.64 g KHT (impure), 0.65 cc. NH_3, 4 g. ammonium molybdate, 40 cc. normal acetic acid	in 100 cc. 355

THE NON-EFFECT OF ALUMINUM AND IRON SALTS, PHOSPHORIC ACID, AND SODIUM CARBONATE ON THE ROTATION OF TARTARIC ACID IN THE METHOD OF GROUP III.

In the following experiments the mixtures were treated according to the directions given under Group III.

(77)	0.1 g. KHT	65.5
(78)	0.1 g. KHT	66.5
(79)	0.1 g. KHT, 0.2 g. alum	65.5
(80)	0.1 g. KHT, 0.2 g. alum, 0.2 g. calcium acid phosphate.....	66.5
(81)	0.1 g. KHT, 0.1 g. sodium bicarbonate	66.5
(82)	Similar results were obtained using 0.2, 0.05, and 0.025 g. of KHT.	
(83)	0.2 g. KHT	130
(84)	0.2 g. KHT, 0.02 g. ferrous sulphate, 0.01 g. ferric chloride ..	130

The last two are earlier experiments and were made with solutions different from those described in the paper. For this reason the numbers are lower than those given below for 0.2 g. KHT, but the two readings show that iron has no influence.

EXPERIMENT TO TEST THE SOLUBILITY OF CALCIUM TARTRATE AND THE EFFECT OF STARCH.

The following were treated according to the method III.

(85)	0.2 g. KHT	134
(86)	0.1 g. KHT, 0.138 g. CaT (=0.1 g. KHT), 0.2 g. alum, 0.3 g. phosphate cream of tartar substitute containing starch.....	133