per cent．sulphatic aciol atrl a fow drops of mathatuese sulphate solation were added．and after twombutes，hy which time the oxilation top phatic
 was alded bud the iomline determined．Since the oxidiang power of the


 te in propurtion th the or widizing value．

|  | 1 | 11 |
| :---: | :---: | :---: |
| I＇eluntrganate reducoll in atkilime solutinut | 65 |  |
|  | 65 | 4．75 |

Phis shows conseluavely that the oxidation is as reprenetted above
 acial，hat it is still pomilse that there is arapiol oxidatorn to the diketo actal and then at hawer axidation to phthatonice acid．

Sombe experiments were made to ketermine the comstituents of the

 ced till all the permangathate was reduced，acolifving the solution and

 evaporation of the ehter contaited litte else that puitome．
$A=$ intital weight of guthone in the solutions．

$C=$ weight of revilue fromether．
（1）$=$ wight of quinome which would be left if oxidationt were direct （1）phthalonic acial．
1：＝weight of quilonte which would he leit if oxithtiont were to di－ keto acid．

| firim. | $\begin{gathered} \mathrm{H} \\ \mathrm{C} \end{gathered}$ | $\begin{gathered} \text { C. } \\ \text { liram. } \end{gathered}$ | $\begin{gathered} \text { " } \\ \text { bram } \end{gathered}$ | $\begin{gathered} \text { F:, } \\ \text { Cr:awn } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| （1） 31 | 1 | （1）［21\％ | （1）${ }^{\text {a }}$（19 | （1）いごに |
| O．0．020 | $f$ | （1）12\％ | 0.0111 | （1）110\％ |
| （1） 122 l | ＊ | c．Ofto | 1）（H1／ms | U 1knis |
| （1） 1220 | （1） | い．ckix 7 | （1．（x）$(x)$ | cx－2．； |

The results siven in this table are not very gerel beathee the methorl Wat inacentate lat they contirn the conchasion arived at fonn the pre－ vions experiments that there is wo internertiate－tage it the withtiont of
 expriblelts，in which the rate of oxidation of the quatome in alkalite sohntion was determined，ako gate mo indication oit the existence of ath intermediate product．
liurther experiments 10 prepare the diketo acid by the atpenific：ation


[^0]
[^0]:    

