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氯霉素含量測定法的研究 (二)快速重氮化法		
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摘要:		
关键词:		
ESTIMATION OF CHLORAMPHENICOL BY DIAZOTIZATION METHOD)	
WANG TZE-HUNG		
Abstract:		
Application of rapid diazotization technique to the estimation of chloramphenicol a investigated and discussed. Reduction of chloramphenicol to the corresponding ar complete within 10 minutes. The rate with which nitrous acid reacts with reduced found to be slow, but it was greatly-accelerated in the presence of potassium brown is volatile, during titration, the temperature should be kept under. 27° C. A constant maintained at the end point, excessive dilution would give high result Procedure of following: Weigh out accurately about 0.3g of sample and place it in a 250ml conicust and 20ml each of water and diluted hydrochloric acid (1:1) are added. It is the minutes over water bath at a temperature not lower than 85° C. After completion of externally with cold water, shaking vigorously to remove gas bubbles adhered on content into a 300ml beaker, wash with water and combine washings to the filtrat 10ml of hydrochloric acid and 2g of potassium bromide, the solution is then titrate below 27° C against $0.05M$ sodium nitrite solution with rapid titration technique. We gives a light blue colouration with starch-iodide indicator after 5 minutes standing reached and the reading is taken. Each ml of $0.05M$ sodium nitrite solution is equichloramphenicol. The results were found to be reproducible with a mean deviation	mino compour chloramphenimide. Since not volume shore commended cal flask. 2g of hen heated for reaction, it zinc dust. Fille. After the aled at a temper the solution, the end poir valent to 0.00	nd was col was itrous acid ould be I is as of zinc or ten is cooled ter the ddition of trature on still ot is

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