

Anodic Polarographic Behaviour of Hydrolyzed

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The electroactivity of a degradation product from penicillin V is described. This electroactive product is formed by acidic hydrolysis at pH 4.0 and heating at 90°C for 60 minutes. This derivative has not been identified, but would seem to contain a thiol group. It gives a diffusion controlled anodic polarographic wave with a peak potential of -0.204 V versus SCE at pH 4.0. The developed method has been applied to the analysis of penicillin V dosage forms and a recovery of 100.8 has been obtained. © 1982, Taylor & Francis Group, LLC. All rights reserved.