

VA Application Note No. V - 143

Title: Suppressor «MultiBond™ 100 Part A20» in an acid copper bath (MacDermid)

Summary: Determination of suppressor «MultiBond™ 100 Part A20» in an acid copper bath by dilution titration (DT) using cyclic voltammetric stripping (CVS).

Sample: Acid copper electroplating bath
Sample preparation: Dilution 1:10 with VMS

Analysis of suppressor «Multibond™ 100 Part A20»																							
Electrolyte	Virgin make-up solution (VMS) CuSO ₄ , H ₂ SO ₄ and NaCl concentrations according to the supplier specifications.																						
Measuring solution	50 mL VMS																						
Working electrode (WE)	Pt-RDE: Drive shaft6.1246.000 + Pt tip for CVS6.1204.160																						
Auxiliary electrode (AE)	Pt6.0343.000																						
Reference electrode (RE)	Reference system: Ag/AgCl/KCl (3 mol/L)6.0728.020 Intermediate electrolyte: KNO ₃ sat.:H ₂ O (3:1) ..6.1245.010																						
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