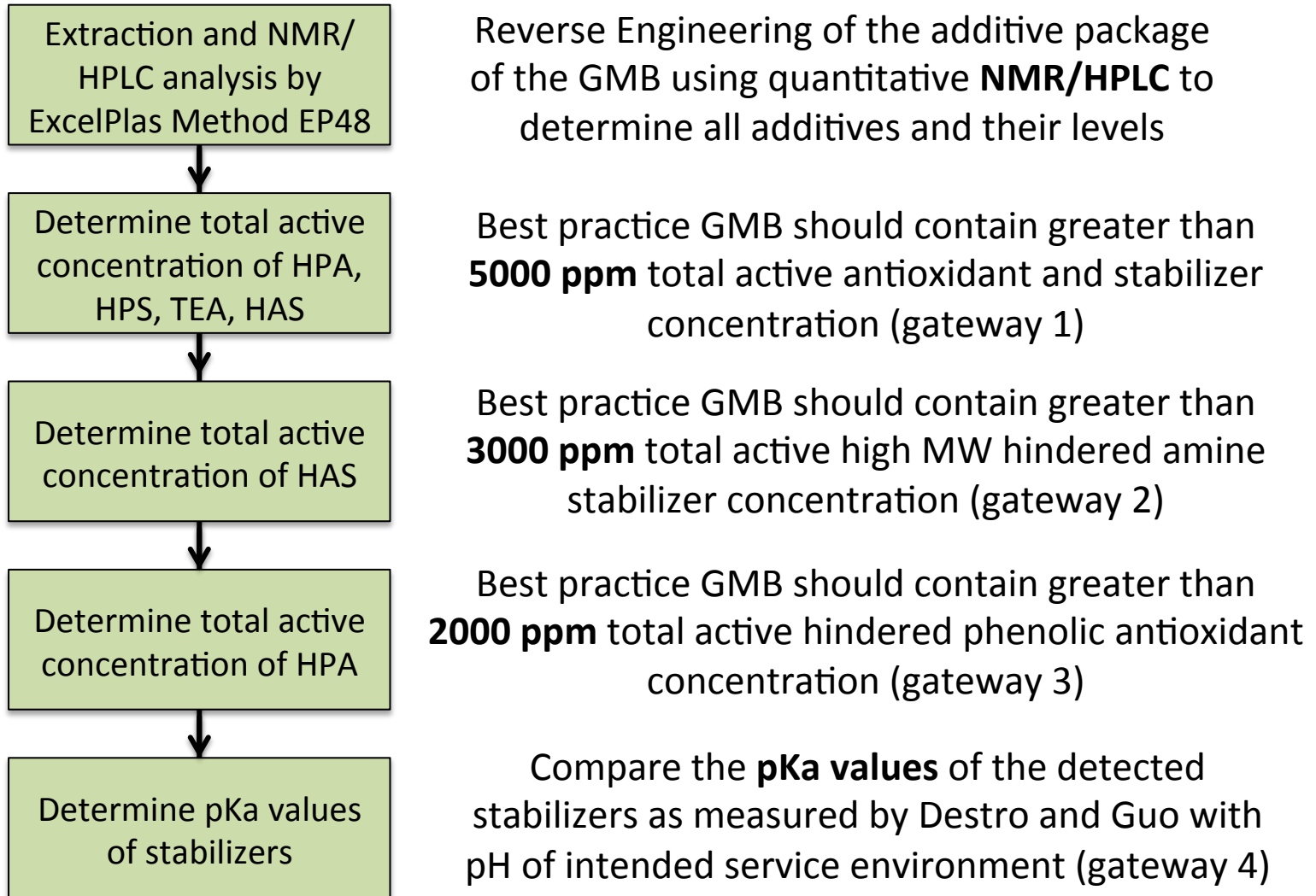
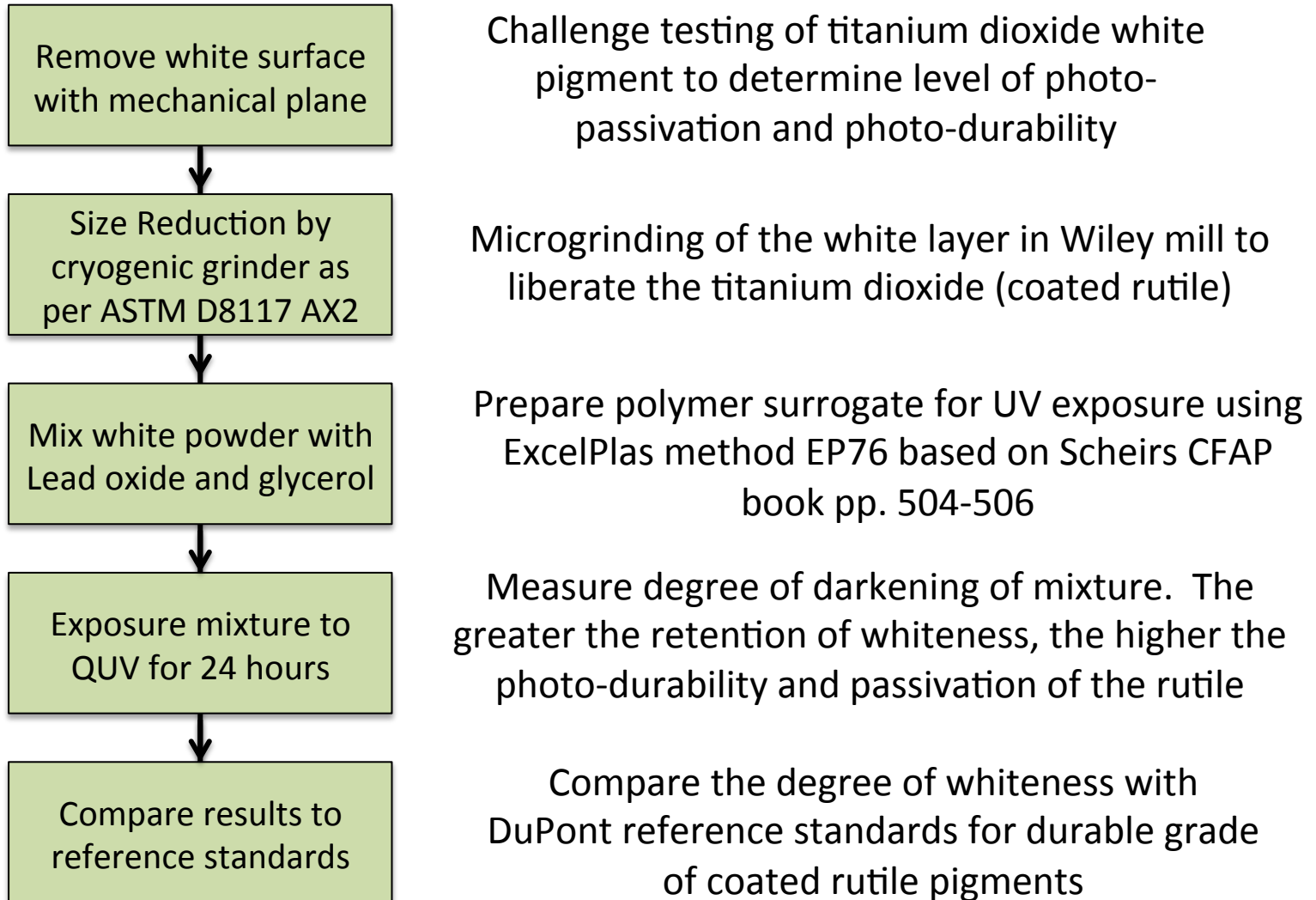


DEFORMULATION OF GMB TO DETERMINE *FITNESS FOR PURPOSE* FOR SPECIFIC SERVICE ENVIRONMENTS

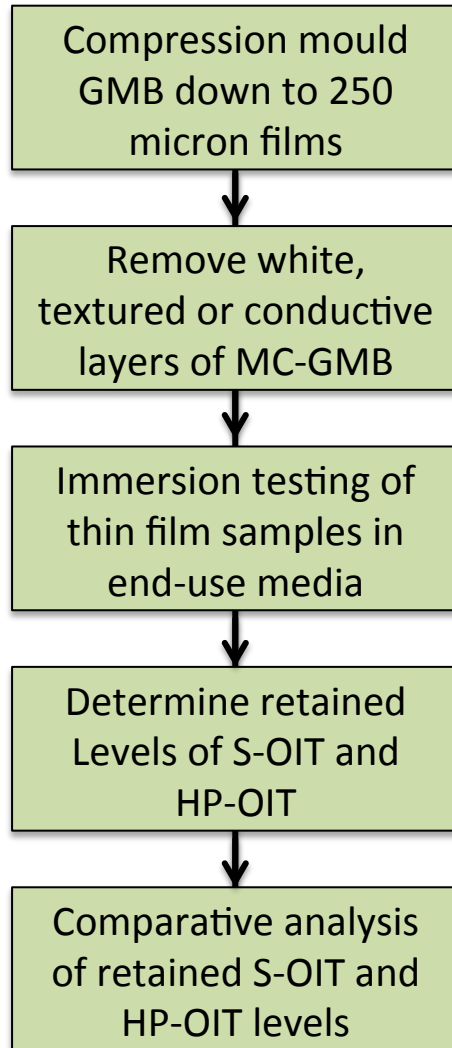


GMB geomembrane, HPA hindered phenolic antioxidant, HPS hindered phosphite stabilizer, TEA thioester antioxidant, HAS hindered amine stabilizer

DEFORMULATION OF WHITE GMB TO DETERMINE *FITNESS FOR PURPOSE* FOR SPECIFIC SERVICE ENVIRONMENTS



THIN FILM IMMERSION (TFI) TESTING OF GMB TO DETERMINE FITNESS FOR PURPOSE FOR SPECIFIC SERVICE ENVIRONMENTS



Grind and compression mold the GMB down to uniformly thin 250 micron films by compression moulding with metal shims

Grind and compression mold the white, textured or conductive layers down to uniformly thin 250 micron films by compression moulding with shims

Use ExcelPlas Method EP62 for immersion testing of thin film samples (to achieve 10X accelerated testing) at 85 deg.C (to achieve 16X accelerated testing) in intended end-use liquor media environment

Determine levels of retained S-OIT and retained HP-OIT after 2 weeks and 4 weeks immersion to determine relative retention of HPA and HAS

Compare the retained S-OIT and HP-OIT levels to each other and known 'best practice' reference standards of GMB samples