

O/W复配微乳液对Fe(III)-BPHA的增敏作用及其机理

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摘要 与DBS/Triton X-100混合胶束体系比较, DBS/Triton X-100/n-C-5H-1~1OH/H-2O体系复配O/W微乳液对Fe(III)-BPHA光度分析具有更好的增敏作用。分配系数测定表明此结果与O/W微乳液对BPHA有更好的增溶作用有关。本文还通过紫外光谱测定研究了O/W复配微乳液体系DBS/Triton X-100/n-C-5H-1~1OH/H-2O对显色剂BPHA的增溶机理。

关键词 [铁](#) [羟胺类](#) [增敏作用](#)

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Sensitized reaction of built-up O/W microemulsion on Fe(III)-BPHA and mechanism

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Abstract The sensitized reaction of built-up O/W microemulsion DBS/Triton X-100/C-5H-1~1OH/H-2O on Fe(III)-BPHA complexes was higher than that of mixed micell DBS/Triton X-100/H-2O. This result showed by measurement of distribution constant KD was related to the greater solubilization capacity of BPHA in the built-up O/W microemulsion system than that in the mixed micell. The solubilization mechanism of BPHA in the built-up O/W microemulsion was also studied by the measurement of Ultraviolet spectrum.

Key words [IRON](#) [HYDROXYLAMINES](#) [SENSITIZING](#)

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