



**SOLVENT EXTRACTION STUDY OF GOLD (III)
FROM MALONATE MEDIA**



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ABSTRACT

Solvent extraction of Gold (III) was carried out with 4-(4-ethoxybenzylideneimino)-5-methyl-4H-1, 2, 4-triazole-3-thiol (EBIMTT) in chloroform as an extractant from malonate media. After extraction it is stripped and determined spectrophotometrically. The effect of diverse ions on the quantitative extraction of Gold (III) has also been studied. The method is applicable for the separation of Gold from binary mixtures, alloys, synthetic mixtures and commercially available samples.

KEYWORDS

Extraction, Gold (III), Malonate media