| | ODICINAL MEACUDENERS | | | |
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| COMPONENTS: | ORIGINAL MEASUREMENTS: | | | |
| <pre>(1) Europium bromide; EuBr₃; [13750_88_1]</pre> | Rossmanith, K. | | | |
| [13759-88-1] | Monatsh. Chem. <u>1966</u> , 97, 1357-64. | | | |
| (2) Tetrahydrofuran; C ₄ H ₈ 0; | <u>1997</u> , 1997–04. | | | |
| [109-99-9] 40 | | | | |
| | | | | |
| VARIABLES: | PREPARED BY: | | | |
| Room Temperature: $T/K = 294-296$. | T. Mioduski | | | |
| | | | | |
| EXPERIMENTAL VALUES: | | | | |
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| The solubility of EuBr ₃ in tetrahydrofuran a | t 21-23°C was reported to be | | | |
| | | | | |
| 0.45 g per 100 ml of solution (0.0 | ll ₅ mol dm [°] , compiler). | | | |
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| AUXILIARY | INFORMATION | | | |
| METHOD /APPARATUS / PROCEDURE : | SOURCE AND PURITY OF MATERIALS: | | | |
| Isothermal method employed. The solution | Sources and purities of initial materials | | | |
| was equilibrated in an extractor with agita- tion for 60-80 hours at room temperature. | not specified. EuBr ₃ was prepared by conversion of the oxide by high temperature | | | |
| | reaction with an excess of NH4Br followed | | | |
| Europium was determined by the oxalate method and by titration with EDTA using | by heating the product in a stream of dry nitrogen, and then in vacuum to remove | | | |
| Xylenol Orange indicator. The solvent was | unreacted NH4Br. | | | |
| determined by difference. | Tetrahydrofuran was distilled from LiAlH4. | | | |
| Anhydrous materials were handled in a dry | | | | |
| box through which was passed a stream of nitrogen free of carbon dioxide. | | | | |
| The colid phase is $EuBr = 3.5C H \cap$ | ESTIMATED ERROR: | | | |
| The solid phase is EuBr ₃ .3.5C ₄ H ₈ 0. | Nothing specified. | | | |
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| | DEPENDING | | | |
| | REFERENCES : | | | |
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| COMPONENTS : | ORIGINAL MEASU | | | | |
|--|--|--|-----------------------------|--|-----------------|
| <pre>(1) Europium bromide; EuBr₃; [13759-88-1]</pre> | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | Kirmse, E.M. | | | |
| (2) Alkyl amines | 1 | Tr. II Vses. Konf. po Teor. Rastvorov <u>1971</u> , 200-6. | | | . * |
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| VARIABLES: | the second second | PREPARED BY: | | | - 1 I |
| T/K = 298 | ator i di | T. Mioduski and M. Salomon | | | |
| EXPERIMENTAL VALUES: | <u> </u> | | | | |
| 1 | | | solubil | lity ^a | |
| solvent | | | mass % | mol kg ⁻¹ | |
| 1-propanamine; n | -с ₃ н ₉ и; | [107-10-8] | 11.0 | 0.316 | 4 ' |
| 2-propanamine; is | 50-C ₃ H ₉ N; | [75-31-0] | 0.08 | 0.0020 | , |
| 2-butanamine; se | ≥c-C ₄ H ₁₁ N; | [13952-84-6] | 0.11 | 0.0028 | × |
| ^a Molalities calculated by the con | mpilers. | | | | |
| | .p.10101 | | | | |
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| | AUXILIARY | INFORMATION | | | |
| METHOD/APPARATUS/PROCEDURE: | SOURCE AND PURITY OF MATERIALS: | | | | |
| Experimental details not given, b probably similar to previous work author which are compiled through volume. | cs of the | Nothing specified, but based on previous work by the author, the anhydrous salt was probably prepared by the method of Taylor and Carter (1). | | | |
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| Nature of solid phases not specif | fied. | 1 1 | | | ייי לה לי |
| Nature of solid phases not specif | fied. | | | n de la factoria 1935 - La compositoria 1996 - La compositoria 1996 - La compositoria | |
| Nature of solid phases not specif | fied. | an dae san d An dae san d | | n de la construcción La construcción de la construcción Canton de la construcción de la construcción La construcción de la construcción | |
| Nature of solid phases not specif | | ESTIMATED ERRO | DR: | n de la factoria 1935 - La compositoria 1996 - La compositoria 1996 - La compositoria | |
| Nature of solid phases not specif | | | DR: | n de la factoria 1935 - La compositoria 1996 - La compositoria 1996 - La compositoria | |
| Nature of solid phases not specif | | ESTIMATED ERRON | DR: | n de la factoria 1935 - La compositoria 1996 - La compositoria 1996 - La compositoria | |
| Nature of solid phases not specif | | ESTIMATED ERRO Nothing speci: REFERENCES: 1. Taylor, M.1 | DR: fied. D.; Carter, | | |
| Nature of solid phases not specif | | ESTIMATED ERRO Nothing speci: REFERENCES: 1. Taylor, M.1 | DR: fied. D.; Carter, | C.P. | |
| Nature of solid phases not specif | | ESTIMATED ERRO Nothing speci: REFERENCES: 1. Taylor, M.1 | DR: fied. D.; Carter, | C.P. | |

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