

COMPONENTS: (1) 2,7-Dimethyloctane; $C_{10}H_{22}$; [1072-16-8] (2) Water; H_2O ; [7732-18-5]	ORIGINAL MEASUREMENTS: Englin, B.A.; Plate, A.F.; Tugolukov, V.M.; Pryanishnikova, M.A. <i>Khim. Tekhnol. Topl. Masel</i> <u>1965</u> , 10, 42-6.												
VARIABLES: Temperature: 10-30°C	PREPARED BY: A. Maczynski and M.C. Haulait-Pirson												
EXPERIMENTAL VALUES: <p style="text-align: center;">Solubility of Water in 2,7-Dimethyloctane</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">$t/^\circ C$</th> <th style="text-align: center;">$g(2)/100\ g\ sln$</th> <th style="text-align: center;">$10^4\ x_2$ (compiler)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">0.0048</td> <td style="text-align: center;">3.79</td> </tr> <tr> <td style="text-align: center;">20</td> <td style="text-align: center;">0.0087</td> <td style="text-align: center;">6.87</td> </tr> <tr> <td style="text-align: center;">30</td> <td style="text-align: center;">0.0152</td> <td style="text-align: center;">12.00</td> </tr> </tbody> </table>		$t/^\circ C$	$g(2)/100\ g\ sln$	$10^4\ x_2$ (compiler)	10	0.0048	3.79	20	0.0087	6.87	30	0.0152	12.00
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AUXILIARY INFORMATION													
METHOD/APPARATUS/PROCEDURE: Component (1) was introduced into a thermostatted flask and saturated for 5 hours with (2). Next, calcium hydride was added and the evolving hydrogen volume measured and hence the concentration of (2) in (1) was evaluated.	SOURCE AND PURITY OF MATERIALS: (1) Not specified. (2) Not specified. ESTIMATED ERROR: Not specified. REFERENCES:												