

<b>COMPONENTS:</b>  (1) 2-Propyl-1,3,5-trimethylbenzene; $C_{12}H_{18}$ ; [4810-04-2]  (2) Water; $H_2O$ ; [7732-18-5]	<b>ORIGINAL MEASUREMENTS:</b>  Englin, B.A.; Plate, A.F.; Tugolukov, V.M.; Pryanishnikova, M.A.  <i>Khim. Tekhnol. Topl. Masel</i> <u>1965</u> , 10, 42-6.												
<b>VARIABLES:</b>  Temperature: 20-40°C	<b>PREPARED BY:</b>  A. Maczynski and Z. Maczynska												
<b>EXPERIMENTAL VALUES:</b>  Solubility of Water in 2-Propyl-1,3,5-trimethylbenzene  <table border="1" data-bbox="233 600 1018 753"> <thead> <tr> <th><math>t/^\circ C</math></th> <th><math>g(2)/100\ g\ sln</math></th> <th><math>10^3\ x_2\ (compiler)</math></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>0.0255</td> <td>2.29</td> </tr> <tr> <td>30</td> <td>0.0343</td> <td>3.08</td> </tr> <tr> <td>40</td> <td>0.0455</td> <td>4.09</td> </tr> </tbody> </table>		$t/^\circ C$	$g(2)/100\ g\ sln$	$10^3\ x_2\ (compiler)$	20	0.0255	2.29	30	0.0343	3.08	40	0.0455	4.09
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<b>AUXILIARY INFORMATION</b>													
<b>METHOD/APPARATUS/PROCEDURE:</b>  Component (1) was introduced into a thermostatted flask and saturated for 5 hr. with (2). Next, calcium hydride was added and the evolving hydrogen volume measured and hence the concentration of (2) in (1) was evaluated.	<b>SOURCE AND PURITY OF MATERIALS:</b>  (1) Not specified. (2) Not specified.  <b>ESTIMATED ERROR:</b>  Not specified.  <b>REFERENCES:</b>												