

<b>COMPONENTS:</b> (1) Butylcyclopentane; $C_9H_{18}$ ; [2040-95-1] (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: 10-30°C	<b>PREPARED BY:</b> A Maczynski and M.C. Haulait-Pirson												
<b>EXPERIMENTAL VALUES:</b> <p style="text-align: center;">Solubility of Water in Butylcyclopentane</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th><math>t/^\circ C</math></th> <th><math>g(2)/100\ g\ sln</math></th> <th><math>10^4 x_2</math> (compiler)</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.0056</td> <td>3.93</td> </tr> <tr> <td>20</td> <td>0.0095</td> <td>6.66</td> </tr> <tr> <td>30</td> <td>0.0151</td> <td>10.58</td> </tr> </tbody> </table>		$t/^\circ C$	$g(2)/100\ g\ sln$	$10^4 x_2$ (compiler)	10	0.0056	3.93	20	0.0095	6.66	30	0.0151	10.58
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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 hrs. 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>												