Table II.The design matrix and the corresponding responses; A-barley bran, B- yeast extract, Y1- CMCase activity, Y2- Avicelase activity, Y3-*β*-amylase activity

|  |  |  |
| --- | --- | --- |
| Run | Independent variables | Responses |
| A, % | B, g l-1 | Y1, U ml-1 | Y2, U ml-1 | Y3, U ml-1 |
| 1 |  4 |  2 | 0.389 | 0.421 | 1.643 |
| 2 | 4 |  6 | 0.297 | 0.381 | 1.328 |
| 3 | 2.5 | 6 | 0.164 | 0.182 | 0.648 |
| 4 | 1 |  6 | 0.028 | 0.027 | 0.114 |
| 5 | 2.5 |  1.6 | 0.208 | 0.211 | 0.723 |
| 6 | 2.5 |  6.4 | 0.121 | 0.170 | 0.521 |
| 7 | 0.7  |  4 | 0.032 | 0.041 | 0.149 |
| 8 | 4.3  |  4 | 0.424 | 0.487 | 1.638 |
| 9 | 0.7 |  4 | 0.028 | 0.023 | 0.122 |
| 10 |  2.5 |  4 | 0.156 | 0.174 | 0.84 |
| 11 |  4.3 |  4 | 0.420 | 0.475 | 1.724 |
| 12 | 2.5 |  4 | 0.183 | 0.191 | 0.857 |
| 13 |  1 |  2 | 0.029 | 0.036 | 0.129 |
| 14 |  2.5 |  1.6 | 0.184 | 0.195 | 0.754 |