**Table 1.** Properties of the siliceous-enzyme carriers and the biocatalysts obtained.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Carrier** | **SBET**  **[m2/g]** | **C / H / N**  **[m%]** | **Amount of functional groups [mmol/gsilica]** | **Hydrophobicity**  **[mgdye / gsilica]** | **Protein load**  **[mgprotein/gsilica]** | **Immobil. Yield**  **[%]** |
| **MH** | 310 | - | - | 0.0149±0.0014 | - | - |
| **MH-A** | 154 | 2,62/1,24/0,82 | 0.6 | 0.2329±0.0082 | 19.4b | 56.0 |
| **MH-O** | 290 | 2,53/1,26/- | 0.27 | 0.1329±0.0039 | 15.3b | 44.3 |
| **MH-OA** | 208 | 4,32/1,31/0,74 | 0.5 (A); 0.25 (O) | 0.3105±0.0010 | 27.0b | 78.4 |
| **N435** | 59 | - | - | - | 64.8a | - |

aProtein was desorbed using Triton-X and next its concentration was determined by Lowry method

bMeasured by Lowry method