

## Product Specification Sheet

**Product line:**
***Chitoceuticals***

Product: Chitosan 95/10  
 CAS: 9012-76-4  
 Product No.: 24701  
 Storage conditions: < 25 °C, dry and well closed  
 Shelf life: 36 months  
 Valid from: 01.07.2011

**Parameter**
**Method**
**Specification**

|   |                |  |
|---|----------------|--|
| Appearance of solid product               | HMC QK-PA-0001 | light yellow to light brown                    |
| Appearance of solution                    | HMC QK-PA-0002 | clear, slightly yellowish to slightly brownish |
| Degree of deacetylation                   | HMC QK-PA-0003 | ≥ 92.6 %                                       |
| Viscosity (1 % in 1 % acetic acid, 20 °C) | HMC QK-PA-0004 | 8 - 15 mPas                                    |
| Ashes (sulphated)                         | HMC QK-PA-0005 | ≤ 1 %  |
| Dry matter content                        | HMC QK-PA-0006 | ≥ 90 %   |
| Insolubles                                | HMC QK-PA-0010 | ≤ 2 %  |
| Heavy metals                              |                |  |
| Pb  | HMC QK-PA-0019 | ≤ 40 ppm                                       |
| Hg  | HMC QK-PA-0020 | ≤ 0.2 ppm                                      |
| Cd  | HMC QK-PA-0020 | ≤ 0.5 ppm                                      |
| As  | HMC QK-PA-0020 | ≤ 0.5 ppm                                      |
| Protein content                           | HMC QK-PA-0008 | ≤ 0.5 %  |
| Microbiological tests                     |                |  |
| Total bacterial count                     | HMC QK-PA-0022 | ≤ 1000 CFU/g substance                         |
| Yeast & mould                             | HMC QK-PA-0022 | ≤ 100 CFU/g substance                          |
| For reference                             |                |  |
| Molecular weight (by GPC): 20 - 100 kDa   |                |  |

Halle (Saale), 01.07.2011

  
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 Head of QA/QC

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