



TECHNICAL DATA SHEET

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| Product code: | 59-02-603 |
| Product name: | sicastar®-M-CT |
| Surface: | COOH |
| Size: | 6 µm |
| Solid content: | 50 mg/ml |
| Composition: | magnetic silica particles |
| Cluster size: | 3 - 30 µm with a mean diameter of 6 µm |
| Shape: | cluster-typed |
| Density: | 2.5 g/ccm |
| Magnetization: | 6.0 Am ² /kg particles (H = 80 kA/m) |
| Saturation magnetization: | > 9.0 Am ² /kg particles (H > 800 kA/m) |
| Stable in: | aqueous buffers pH > 3, organic solvents |
| Not stable in: | hydrofluoric acid, strong basic media, e.g. 6 M NaOH |
| Product form: | Suspension in water |
| Surface charge density: | 1.5 µmol/g |
| Protein binding capacity: | 1.4 - 1.6 µg albumin (BSA) / mg particle |
| Colour: | dark brown |
| Additional remarks: | Storage at room temperature. |