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Product Specification

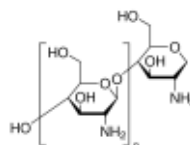
Product Name:
Chitosan - high purity, non-animal derived, average Mw 180 kDa

Product Number: **900343**

CAS Number: 9012-76-4

Formula: C₁₂H₂₄N₂O₉

Storage Temperature: 2 - 8 °C



| TEST | Specification |
|------|---------------|
|------|---------------|

| | |
|----------------------------|---|
| Appearance (Color) | Light Yellow to Yellow to Beige and Light Brown |
| Appearance (Form) | Conforms to Requirements |
| Infrared Spectrum | Conforms to Structure |
| Carbon Content | 35.5 - 53.9 % |
| Nitrogen Content | 5.2 - 12.2 % |
| Arsenic (As) | |
| Specification: Report Only | |
| Lead (Pb) | |
| Specification: Report Only | |
| Cadmium (Cd) | |
| Specification: Report Only | |
| Mercury (Hg) | |
| Specification: Report Only | |
| Molecular Weight by GPC | 160000 - 200000 |
| Degree of Deacetylation | ≥ 80.0 % |
| by HNMR | |
| Expiration Date Period | ----- |
| 1 Year | |

Specification: PRD.0.ZQ5.10000086259

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.