

## Certificate of Analysis

Date of Testing: 2023-06-04 15:05:36  
Date of Next Testing: 2027-06-03 15:05:36  
Product Name: **Activated charcoal**  
CAS Number: 7440-44-0  
Specifications & Purity: Analytical Reagent, ≥200 mesh, in bags  
Lot #: E2330100  
SKU #: **C112223**  
**Analysis:** **100263**  
Storage Temperature: Desiccated

| Parameter                               | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-0.01 (%)            | 0.00 %                |
| Iron(Fe)                                | 0-0.02 (%)            | 0.01 %                |
| Ignition Residue (as sulfate)           | 0-2 (%)               | 1.10 %                |
| Chloride (Cl <sup>-</sup> )             | 0-0.025 (%)           | 0.01 %                |
| Zinc(Zn)                                | 0-0.05 (%)            | 0.03 %                |
| Heavy metals                            | 0-0.005 (%)           | 0.00 %                |
| Solubility in HCl                       | 0-0.8 (%)             | 0.36 %                |
| PH(5% in water, 25°C)                   | 5-7                   | 5.60                  |
| Particle size                           | ≥200 (mesh)           | 200.00 mesh           |
| Loss on drying                          | 0-15 (%)              | 10.00 %               |
| Appearance (C112223)                    | Black powder or solid | Black powder or solid |
| Methylene blue absorbance               | passes test           | Passes test           |



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