

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Charcoal Powder, USP  
**INCI Name:** Charcoal  
**CAS Number:** 16291-96-6  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 24 months from production date

Property	Specification	Analysis
Appearance (Visual)	Powder	Pass
Color (Color Description)	Black	Pass
Odor (QC 011)	To match standard	Pass
Bulk Density	0.45 - 0.55 g/mL	0.51 g/mL
Ash Content	4.0% MAX	2.9%
Moisture Content (4h @ 120.0°C)	12.0% MAX	8.6%
Adsorptive Power	Passes test	Pass
pH (Litmus reaction)	Neutral	Pass
Reaction (Filtrate Color)	Colorless	Pass
Acid-Soluble Substances	3.5% MAX	2.6%
Uncarbonized Constituents	Passes test	Pass
Sulfate (SO <sub>4</sub> )	0.2% MAX	0.0955%
Chloride (Cl)	0.2% MAX	0.017%
Sulfide (S)	Passes test	Pass

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.

Cyanogen Compounds	Passes test	Pass
Identification	Passes test	Pass
Heavy Metals	20.0 ppm MAX	Pass
Arsenic	3.0 ppm MAX	0.36 ppm
Lead	10.0 ppm MAX	0.55 ppm
Mercury	1.0 ppm MAX	0.05 ppm
Germanium	1.0 ppm MAX	0.06 ppm
Micro	<100 CFU/g	Pass

The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed. All data are as per our supplier.

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