

Certificate of Analysis

Product Name:

**Activated Charcoal (Adsorption Capacity 280),
meets specifications of USP, BP & Ph. Eur**

Product No.: PSR7802
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7440-44-0
Molecular Formula: C
Molecular Weight: 12.01 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Black, light powder free from grittiness	Black, light powder free from grittiness
Solubility	Insoluble in all usual solvents	Complies
Loss on Drying at 120 °C for 4 hours (USP/BP/EP)	NMT 15.0 %	5.0 %
Residue on ignition (USP)	NMT 4.0 %	2.8 %
Acid soluble substances (USP/BP/EP)	NMT 3.0 %	< 3.0 %
Chloride (Cl) (USP)	NMT 0.2 %	< 0.2 %
Sulfate (USP)	NMT 0.2 %	< 0.2 %
Sulfide (USP/BP/EP)	Complies	Complies
Cyanogen compounds (USP)	No blue color is produced	Complies
Heavy metals (USP)	NMT 0.005 %	< 0.005 %
Uncarbonized constituents (USP)	Filtrate is colorless	Complies
Identification A (BP/EP)	Complies	Complies
Adsorption power (USP/BP/EP)	Complies	Complies
Acidity / Alkalinity (BP/EP)	Complies	Complies
Alkali soluble colored substances (BP/EP)	Complies	Complies
Ethanol (96%) soluble substances (BP/EP)	NMT 8 mg	0.95 mg
Fluorescent substances (BP/EP)	Complies	Complies
Lead (Pb) (BP/EP)	NMT 10 ppm	< 10 ppm
Copper (Cu) (BP/EP)	NMT 25 ppm	< 25 ppm
Zinc (Zn) (BP/EP)	NMT 25 ppm	< 25 ppm
Sulphated ash (BP/EP)	NMT 5.0 %	< 5.0 %
Total viable aerobic count	NMT 1000 cfu/g	< 1000 cfu/g
E. coli	Should be absent	Absent
Salmonella	Should be absent	Absent

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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