

Product Specification

Product Name:

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

Product No.: PSR7802
Brand: PureSynth
CAS No.: 7440-44-0
Molecular Formula: C
Molecular Weight: 12.01 g/mol

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

Specification: OT-1.0-QA/014

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com