

203—CHARCOAL ACTIVATED POWDER EXTRA PURE

REF NO: TBL/QA/SS/LC/203	STANDARD SPECIFICATION FOR CHARCOAL ACTIVATED POWDER, EXTRA PURE	Rev. No: 03
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PRODUCT PROPERTIES

C.A.S Number	7440-44-0
Chemical Formula	C
Formula weight	12.01
Functional Uses	<p>Activated charcoal can be used for the following:</p> <ul style="list-style-type: none"> Fiber coating to compare solid-phase microextraction efficiency of the multiwalled carbon nanotubes in water and milk samples before GC-ECD analysis. It may be used to study its effect on tissue cultures of <i>Daucus carota</i>, <i>Happlopapus gracilis</i> and <i>Allum cepa</i> var. <i>proliferum</i>, to check the adsorption of metabolites inhibiting morphogenesis. It may also be used in the plant tissue culture to increase the adsorption of auxin and cytokinin from the culture media.
Standard Packaging	500 gm & 25 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Black color powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (5% Soln. at 25°C)	5.5 – 7.5
Loss on Drying (at 105°C)	NMT – 10.0%
Total Ash	NMT – 5.0%
MB Value	NLT – 180 mg/g
Heavy Metal (Pb)	NMT – 0.001%
Iron (Fe)	NMT – 0.03%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

