



Techinal Data Sheet

AXIAQUA



AXIAQUA-1100 IV

Coconut shell-based granular activated carbon

It is designed for general-purpose water treatment applications, offering reliable adsorption capacity and durability.

Features & Benefits



Highly microporous structure - effective removal of low molecular weight organics



Clean, low turbidity effluent due to extensive dedusting



Maximum hardness – minimal attrition and dust, long service life



Cost-effective solution for general purpose water treatment



Excellent adsorption capacity – high iodine number ensures superior performance



Produced from sustainable coconut shell raw material



Rapid dechlorination – quick removal of chlorine and ozone

PARAMETER	TEST METHOD	UNIT	SPECIFICATION
Iodine value*	ASTM D4607	mg/g	>1100
CTC [as calculated*]	ASTM D5742	%	>60
Apparent Density	ASTM D2854	g/L	450
Moisture Content	ASTM D2867	%	<5
Ash Content	ASTM D2866	%	<4
Hardness (%)	ASTM D3802	%	>98
pH*	ASTM D3838		9-11



Available Products

01

AQ-1100-8x16-R [2.36 – 1.18 mm]

02

AQ-1100-8x30-R [2.36 – 0.60 mm]

03

AQ-1100-12x30-R [1.70 – 0.60 mm]

04

AQ-1100-12x40-R [1.70 – 0.425 mm]

05

AQ-1100-18x40-R [1.00 – 0.425 mm]

06

AQ-1100-20x50-R [0.85 – 0.30 mm]

“Other sizes considered on request”

Applications

Municipal drinking
water treatment

Beverage industry
dechlorination (soft
drinks, beer)

Aquarium &
aquaculture water

RO & desalination
plant pre-treatment

Wastewater COD/BOD
reduction



Certifications & Compliance



NSF/ANSI 42 & 61 Certified



ISO 14001:2015
Environmental Management



ISO 45001:2018
Occupational Health & Safety



ISO 9001:2015
Quality Management



HALAL Certified
Jamiat Ulama-i-Hind



KOSHER Certified
JK Kosher

Packaging



Bulk bag



25 kg Bag

"Products can be customized for specific requirements in terms of pH, Iodine Number or CTC
Custom packaging can be arranged based on customer requirement"