



The Worldwide Resource...

THE BTTCO OVERSEAS

A GOVT. OF INDIA RECOGNIZED *STAR EXPORT HOUSE*
A D&B CERTIFIED COMPANY - DUNS NUMBER: 87-229-6440

Certificate of Analysis BTTCARB (Activated carbon for Gold refining applications)

Gold refining:

Today's gold-mining operations optimize efficiency and output through the use of superior BTTCARB gold recovery carbon technology. The intrinsic hardness, high density and low platelet content of BTTCARB's activated carbon products set the industry standard for performance. Precise particle size distribution and high abrasion resistance of our activated carbon improves the kinetics (R & K values) of adsorption and reduces tail loss in the circuit due to attrition, respectively. BTTCARB products offer optimal particle size distribution and activation characteristics to maximize both the rate (R value) and capacity (K value) of gold adsorption.

BTTCARB's Granules vs. Standard Carbon Pellets:

The natural structure of coconut shell based BTTCARB Activated Carbon granules, shows higher density and much lower attrition compared to pelletized activated carbon. The granules have less tendency towards accelerated shearing, reducing the particle breakdown observed at the latter stages of the process when pellets are used. Natural products like coconut shell exhibit greater intrinsic stability than artificial, chemically bound pellets.

Testing & carbon Selection

- BTTCARB offers the following gold adsorption test facilities and expertise:
- Gold activity • loading capacity
- Rate of adsorption
- Soft particle % and platelet % measuring tests
- Hardness measuring tests
- Testing and analysis of spent carbon

Logistics:

BTTCARB works closely with leading logistics service providers to ensure on-time delivery to the remotest locations.

Properties:

Surface area	: 1150 m ² /Kg
K value	: 32 kg/Ton
R value	: 65



The Worldwide Resource...

THE BTTCO OVERSEAS

A GOVT. OF INDIA RECOGNIZED *STAR EXPORT HOUSE*
A D&B CERTIFIED COMPANY - DUNS NUMBER: 87-229-6440

Advantages of BTTCARB's Gold Grade activated carbon

Higher resistance to attrition,

- Cubic shape,
- Higher hardness and surface properties
- Highly-developed micro pore structure.
- Consistent quality Reduces carbon losses in the circuit.
- Significantly improves plant performing by reducing gold losses in tailings.
- Superior adsorption rate & capacity, high gold recovery yield
- Exceptional performance.

Technical Information:

Parameter	Typical values
Typical CTC Activity, ASTM D5742	55 min /60 min
Hardness No, ASTM D3802-99	99% min
Apparent Density, ASTM D2854-96	0.48 g/cc typical
Particle Size	6 x 12, 6 x 16, 8 x 16,12 x 30
Ash content, ASTM D2866	3% Max
Wet Attrition Loss (Bottle roller)	2%
Platelets	5% max

Packaging:

Standard packaging is designed primarily to prevent deterioration of accurately graded granules and preclude the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated on request.

Bulk Bag: Net. 500 Kg

Sacks: Net. 25 Kg

Product Testing Services:

BTTCARB's laboratories is equipped to perform all the standard testing required for Activated Carbons together with any other specialized product or application related testing requirements.

Warranty Disclaimer:

The user is responsible for ensuring that the product is correctly specified prior to purchase and BTTCARB makes no express warranty as to suitability for specific application.