

ACTIVE CARBON GAC 830 PLUS

GAC 830 PLUS is an acid washed granular activated carbon produced by steam activation of select grades of coal. N GAC 830 PLUS offers superior adsorption properties and purity. Its superior hardness makes it particularly suited for fixed or pulse bed operations as well as for thermal reactivation. Typical applications include purification of organic and inorganic acids, starch based sweeteners and other foodstuffs, fine chemicals, ultra pure condensates and pharmaceutical intermediates.

SPECIFICATIONS ¹⁾

Molasses number (USA)	min. 230
Iodine number	min. 920
Moisture (as packed)	max. 3 w/w %
Ash, acid soluble	max. 0.5 w/w %
Iron, acid soluble	max. 0.01w/w %
Abrasion number (AWWA method)	min. 80
pH, water extract	min. 5.0 max. 8.0
Particle size	
> 8 mesh (2.36 mm)	max. 15 w/w %
< 40 mesh (0.42 mm)	max. 0.5 w/w %

GAC 830 PLUS meets the requirements of the U.S. Food Chemicals Codex (4th edition, 1996) and is classified in accordance with ANSI / NSF Standard 61.

TYPICAL ANALYSES ^{1) 2)}

Apparent density, vibrating feed	0.51 g/ml
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OTHER CHARACTERISTICS ^{1) 2)}

Surface area (BET method)	1000 m ² /g
Molasses number (Europe)	425
Ball – pan hardness	95
Density backwashed & drained	0.45 g/ml



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NOTES

- 1) All analyses based on NORIT Standard Test Methods.
- 2) For general information only and not to be used as purchases specifications.

HYDRODYNAMIC PROPERTIES

Detailed information on the hydrodynamic properties of GAC 830 PLUS can be found in Technical Bulletin 79 – Hydrodynamic Properties.

REACTIVATION

The hardness of GAC 830 PLUS makes it suitable for thermal reactivation. Reactivation of exhausted carbon can be carried out in kilns on site of manufacturer.

PACKAGING

GAC 830 PLUS is available in multiply paper bags containing 25 kg, 45 bags stretched wrapped on 107 x 127 cm pallets, 1125 kg net weight per pallet.

GAC 830 PLUS is also available in woven polypropylene fabric big bags on 114 x 114 cm pallets (114 cm total height), 454 kg net weight per pallet.

Caution: For health and safety related aspect of GAC 830 PLUS; please refer to the Material Safety Datasheet (MSDS), which is available on request.

Distributed by:

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Note: Any specification given was valid at the time of Issuance of the publication. However, we maintain a policy of continuous development and reserve the right to amend any specification without notice. All data and suggestions regarding the use of our products are believed to be reliable and given in good faith. However, they are given without guarantee, as the use of our product is beyond our control, and are not to be construed as recommendation or instigation to violate any existing patent.